2011 ALTIMA

NAVIGATION SYSTEM OWNER'S MANUAL

For your safety, read carefully and keep in this vehicle.

NISSAN NAVIGATION SYSTEM HELP-DESK CONTACT INFORMATION

For assistance or inquiries about the NISSAN Navigation System, or to order updated map data contact the NISSAN NAVIGATION SYSTEM HELPDESK at:

- ADDRESS: P.O. Box 1588,
  Orem, UT 84059-992
- E-MAIL: Nissan-Navi-Info@navteq.com
- WEB SITE: www.NissanNavigation.com or
  www.nissan.ca
- PHONE: 1-888-661-9995
- HOURS: 6:00 AM to 5:00 PM
  (Pacific Time)

NISSAN CONSUMER AFFAIRS DEPARTMENT

For assistance or inquiries about the NISSAN warranty, service or general questions, contact the NISSAN Consumer Affairs Department at:

For U.S. customers
Nissan North America, Inc.
Consumer Affairs Department
P.O. Box 685003
Franklin, TN 37068-5003
1-800-NISSAN-1
(1-800-647-7261)

For Canadian customers
Nissan Canada Inc.
5290 Orbitor Drive
Mississauga, Ontario L4W 4Z5
1-800-387-0122

Thank you for purchasing a NISSAN vehicle.

This user's manual is for the navigation system only. This manual contains operating instructions for the NISSAN Navigation System offered in your NISSAN vehicle.

Please read this manual carefully to ensure safe operation of the navigation system.

- Because of possible specification changes and optional equipment, sections of this manual may not apply to your vehicle.
- All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or design at any time without notice.
- Do not remove this manual from the vehicle when selling this vehicle. The next user of this navigation system may need the manual.

Table of Contents

Introduction	1
Getting started	2
Map settings	3
Setting a destination	4
Route guidance	5
Storing a location/route	6
Viewing technical information	7
Other settings	8
Voice recognition	9
General system information	10
Troubleshooting guide	11
Index	12

1 Introduction

How to use this manual 1-2
For safe operation 1-2
Reference symbols 1-2
Safety information 1-2
Laser product 1-3

This manual uses special words, symbols and icons that are organized by function.

Please refer to the following items to understand how to use this manual properly.

FOR SAFE OPERATION

⚠ WARNING

Indicates the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures must be followed precisely.

⚠ CAUTION

Indicates the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE:

Indicates items that help you understand and maximize the performance of your vehicle. If ignored, they may lead to a malfunction or poor performance.

REFERENCE SYMBOLS

INFO:

Indicates information that is necessary for efficient use of your vehicle or accessories.

Reference page:

Indicates the title and page that you should refer to.

MAP:

This is an example of how a button on the control panel will be shown.

“Route”:

This is an example of a key/item displayed on the screen.

Voice Command:

This indicates an operation by voice command.

This system is primarily designed to help you reach your destination, and it also performs other functions as outlined in this manual. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. The system is not a substitute for safe, proper and legal driving.

Before using the navigation system, please read the following safety information. Always use the system as outlined in this manual.

⚠ WARNING

- **To operate the navigation system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.**
- **Do not rely on route guidance alone. Always be sure that all driving maneuvers are legal and safe in order to avoid accidents.**
- **Do not disassemble or modify this system. If you do, it may result in accidents, fire or electrical shock.**

- **If you notice any foreign objects in the system hardware, spill liquid on the system or notice smoke or a smell coming from it, stop using the system immediately and contact a NISSAN dealer. Ignoring such conditions may lead to accidents, fire or electrical shock.**

⚠ CAUTION

- **Do not use this system if you notice any malfunctions such as a frozen screen or the lack of sound. Continued use of the system may result in accidents, fire or electrical shock.**
- **Some states/provinces may have laws limiting the use of video screens while driving. Use this system only where it is legal to do so.**
- **Extreme temperature conditions [below -4 °F (-20 °C) and above 158 °F (70 °C)] could affect the performance of the system.**

NOTE:

Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.

LASER PRODUCT

This navigation system is certified as a Class 1 laser product.

The navigation system complies with DHHS Rules 21 CFR Chapter 1, Subchapter J.

⚠ WARNING

- **Do not disassemble or modify this system. There are no user serviceable parts in this navigation system.**
- **If maintenance, adjustments and operations other than those specified in this manual are attempted, injury due to laser radiation and exposure could occur.**

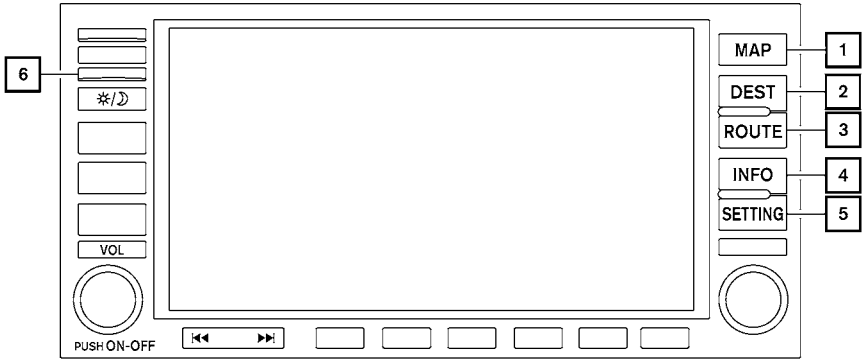
Required XM Radio® and NavTraffic® monthly subscriptions sold separately. XM NavTraffic® only available in select markets. For more information, see www.xmradio.com/navtraffic.

Required XM Radio® and NavWeather™ monthly subscriptions sold separately. XM NavWeather™ only available in select markets. For more information, see www.xmradio.com/navweather.

©2009 Zagat® Survey, LLC. Zagat® Survey is a registered trademark of Zagat® Survey, LLC.

2 Getting started

Control buttons and functions. 2-2
Control panel 2-2
Steering wheel switch. 2-3
Starting the system 2-4
Functions disabled while driving. 2-4
Menu screen types and how to operate 2-6
Menu screens and their purposes 2-6
Using controls to adjust values, levels, etc. 2-6
Start menu. 2-6
List screen. 2-8
Touch screen operation 2-9
Selecting the item 2-9
Adjusting the volume and others 2-9
Scrolling the message or list 2-10
Inputting letters and numbers 2-10
How to input letters and numbers 2-10
Character (letters and numbers) input screen 2-10
Number input screen. 2-12
Map menu screen 2-13
Current location map screen 2-14
Scrolled location map screen 2-14
Storing your home location/address 2-15
How to store home location. 2-15
Setting a destination 2-18
Searching for a destination 2-18
Starting route guidance 2-19
Canceling a route 2-21
Operating maps 2-22
How to view map screen 2-22
Setting the voice guidance 2-23
Turning voice guidance on/off 2-23
Adjusting voice guidance volume 2-24
NISSAN voice recognition 2-25
Using the system 2-26
Before starting 2-26
Giving voice commands 2-26
Command list 2-28



WNV0563

CONTROL PANEL

1 MAP:

Press to display the map. While following programmed route, press multiple times to change the type of route information.

2 DEST:

Press to enter a destination. Various methods for entering a destination are available.

"4. Setting a destination".

3 ROUTE:

Press and hold to hear the current route guidance (guidance cancellation, route priority, way point setting on the route, etc.).

4 INFO:

Press to display the vehicle, traffic, weather or voice recognition information.

5 SETTING:

Press to access the system settings.

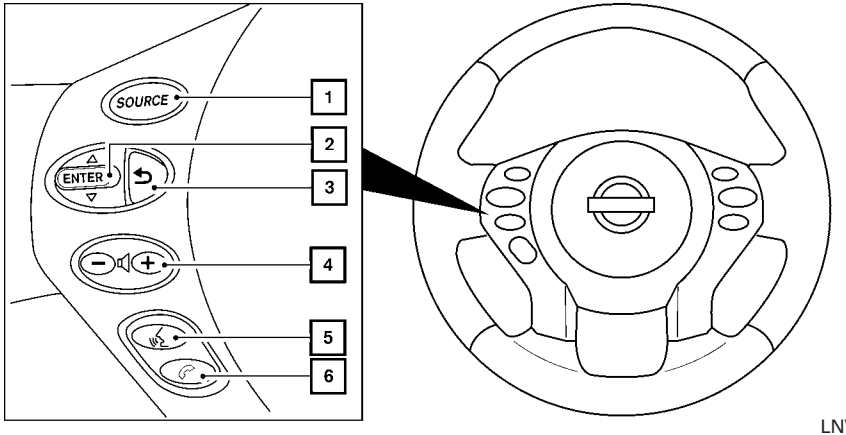
6 DAY/NIGHT:

Press to switch between the day screen (bright) and the night screen (dark). Press and hold to turn off the display. Press again to turn on the display.

INFO:

If the "Back" key needs to be touched to apply the setting on a settings screen, this manual will explicitly include a step for this procedure. Otherwise, touching the "Back" key returns the display to the previous screen.

The layout of the control panel switches may vary depending on the vehicle model and equipment.



LNV0423

STEERING WHEEL SWITCH

1 SOURCE:

Use to switch the audio mode (source). For additional information, see the Owner's Manual.

2 ENTER:

Move up or down to highlight an item on the screen or adjust a setting. Press to select the highlighted item.

If this button is pressed while a map is displayed, the map menu screen is displayed.

"MAP MENU SCREEN" (page 2-13)

Press and hold to display the start menu.

"START MENU" (page 2-6)

If this button is moved up while the audio function is activated and the map or status screen is displayed, the audio system can be operated.

3 :

Press this button during a setting operation to return to the previous screen. In certain screens, this button can also be used to apply the setting. This button will only work when the "Back" key is shown on the screen.

4 – or + :

Use to adjust the volume. These buttons have the same function as that of the volume knob. For additional information, see the Owner's Manual.

5 :

Press to start the voice recognition mode. If the voice recognition mode is already activated, pressing this button interrupts the voice guidance and you can speak a voice command immediately.

6 :

Use to enable Bluetooth® Hands-Free Phone system. For additional information, see the Owner's Manual.

STARTING THE SYSTEM

The navigation system starts when the ignition switch is turned to the ACC or ON position.

NOTE:

Do not keep the navigation system on with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.

FUNCTIONS DISABLED WHILE DRIVING

⚠ WARNING

When the driver wants to operate the navigation system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.

NGT0019

To ensure safe driving, some functions cannot be operated or have limited operation while driving.

The on-screen functions that are not available while driving will be “grayed-out” or muted.

Park the vehicle in a safe location and then operate the navigation system.

MENU SCREEN TYPES AND HOW TO OPERATE

MENU SCREENS AND THEIR PURPOSES

Press the DEST, ROUTE, INFO, or SETTING button to display the corresponding menu screen.

How to select a menu item

Example: DEST screen

1. Select the preferred menu item by touching the corresponding key on the screen. The next screen is displayed.
2. Press BACK to return to the previous screen without applying any changes.
3. Press MAP to return to the current location map screen without applying any changes.

INFO:

- Depending on the menu selected, pressing MAP may not return the display to the current location map screen.
- An item can also be selected by moving the steering wheel switch up and down.

USING CONTROLS TO ADJUST VALUES, LEVELS, ETC.

There are two main methods to control the navigation system: the touch panel and the steering wheel switch. Use these controls to adjust the volume of phone and voice guidance, the display brightness, etc.

How to adjust

1. Select the preferred setting item and press SELECT. The color of the corresponding adjustment item changes.
2. Use one of the controls to increase or decrease the indicated value.
3. Press SELECT or BACK to apply the setting.

INFO:

- The volume of phone and voice guidance, the display brightness, etc. can be adjusted by moving the ENTER switch on the steering wheel up and down.
- These same adjustments can also be performed using the touch panel operation.

"ADJUSTING THE VOLUME AND OTHERS" (page 2-9)

START MENU

While in the map view, the start menu can be displayed using the steering wheel switch.

NGT0023

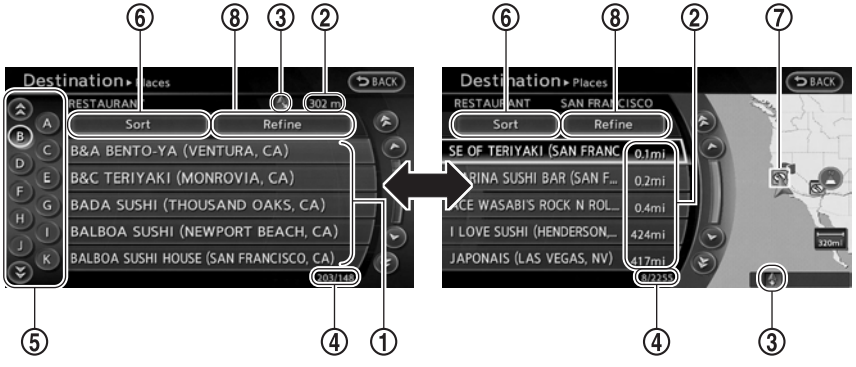
1. Press and hold ENTER on the steering wheel switch.
2. Select the preferred item and push ENTER.

INFO:

ENTER on the steering wheel switch can be used to display the start menu only when the map or status screen is displayed.

Available items

- “Destination”:
  Displays the destination screen. It is the same screen that appears when DEST is pushed.
  “4. Setting a destination”
- “Route”:
  Displays the route screen. It is the same screen that appears when ROUTE is pushed.
  “5. Route guidance”
- “Info”:
  Displays the information screen. It is the same screen that appears when INFO is pushed.
  “7. Viewing technical information”
- “Settings”:
  Displays the settings screen. It is the same screen that appears when SETTING is pushed.
  “8. Other settings”



NGT0024

LIST SCREEN

After searching for a point of interest, a list screen is displayed.

Depending on the list displayed, it can be sorted.

Items displayed in a list:

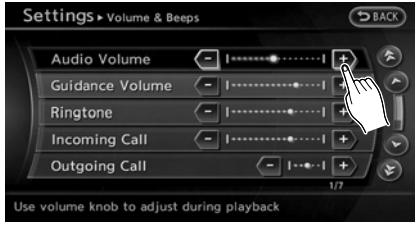
1. Select the preferred item from the list. If a location or facility name is not completely displayed (due to length), highlight the item with the steering wheel switch to display the hidden part of the name.
2. Distance from the current location
3. Direction to the point of interest
4. If the entire list cannot be displayed on the screen, the system displays the total number of items in the list and the entry number of the selected item. Touch the page down arrow to scroll the list.
5. An item that starts with the selected letter will be displayed at the top of the list.
6. Select SORT to sort the list in the original order.
7. When the list is sorted by the shortest distance, the selected location can be confirmed in the preview on the right side of the screen.
8. Select REFINE to modify search conditions.

Here, the operation examples performed with the touch panel operation are described.

NGT0025

SELECTING THE ITEM

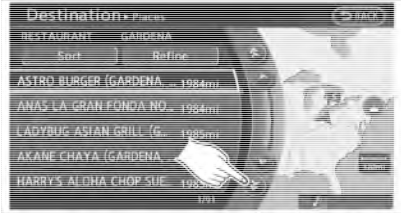
When the item is touched, the next screen is displayed.



NGT0026

ADJUSTING THE VOLUME AND OTHERS

Touch “+” or “-” located on the right and left of the bar graph to perform the adjustment.



LNV2007

SCROLLING THE MESSAGE OR LIST

Touch the up arrow to scroll up the page one item at a time, or touch the double up arrow to scroll up an entire page.

Touch the down arrow to scroll down the page one item at a item , or touch the double down arrow to scroll down an entire page.

NGT0028

INPUTTING LETTERS AND NUMBERS

1. Touch the letter or number.
2. To delete a character, touch “Delete”. Touch and hold “Delete” to delete all of the characters.

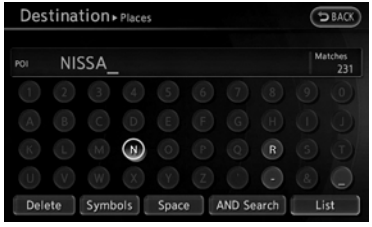
HOW TO INPUT LETTERS AND NUMBERS

CHARACTER (letters and numbers) INPUT SCREEN

When setting a destination, searching for a facility or editing the stored locations, etc. alphanumeric characters must be entered into the system.

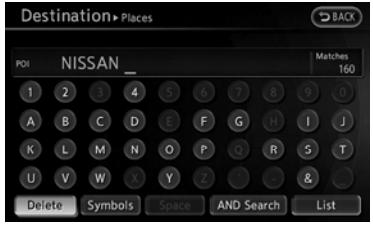
LNV0564

1. Use the touch panel to select a character on the displayed keyboard.



LNV0565

2. Select the desired character. The highlighted character is entered.

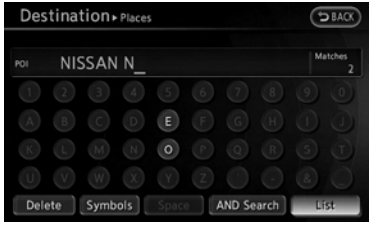


LNV0566

3. Select “Delete” to delete the last character entered.

   Touch and hold “Delete” to delete all the characters entered.

   Select “Space” to enter a space.



LNV0567

4. After finishing the entry, select “List”.

INFO:

- When “Back” is touched on the screen, the screen returns to the previous screen even when characters have been entered.
- When text has been entered and the number of matching list items has been narrowed down enough so that they fit on the screen, the list screen appears automatically.

LNV0568

Symbol input screen

- Symbol keys are displayed by selecting “Symbols”. Alphabet keys are displayed by selecting “A - Z”.

NUMBER INPUT SCREEN

A phone number or a street number can also be entered as a search method to look for a destination.

INFO:

Only the locations included in the map data database can be searched for by a phone number.

NGT0059

1. Use the touch screen to select a number on the displayed keyboard.

NGT0061

2. Select “Delete” to delete the last number entered.

   Touch and hold “Delete” to delete all the numbers entered.

NGT0062

3. After finishing the entry, select “List”.

INFO:

- When “Back” is touched on the screen, the screen returns to the previous screen even when numbers have been entered.

Select the map menu key while the current location map screen or a scrolled map screen is displayed to display the menu corresponding to that screen.

This menu can be used to access helpful functions quickly, such as setting a destination and searching for points of interest nearby.

“MENU SCREEN TYPES AND HOW TO OPERATE” (page 2-6)

NGT0029

CURRENT LOCATION MAP SCREEN

If the “Map Menu” key is touched while the current location map screen is displayed, the following options are available.

- “Store Location”:
  Store the current vehicle location in the Address Book. The stored location can be retrieved as necessary to set it as a destination (waypoint).
  “STORING A LOCATION” (page 6-2)
- “Nearby Places”:
  Search for points of interest near the current vehicle location, such as restaurants and gas stations, etc.
  “Finding a nearby place” (page 4-7)
- “Map View”:
  Perform map operations such as the switching of map type and the setting of map orientation and scale.
  “MAP TYPES” (page 3-2)
- “Map Icons”:
  Display certain points of interest near the current vehicle location on the map, such as restaurants and gas stations, etc.
  “DISPLAYING MAP ICONS” (page 3-21)
- “Store Tracking”:
  Store in the Address Book the route travelled from the starting point to the current location.
  “STORING A TRACKED ROUTE” (page 6-9)

NGT0030

SCROLLED LOCATION MAP SCREEN

If the “Map Menu” key is touched while a scrolled map screen is displayed, the following options are available.

- “New Dest”:
  Set the destination to the map location where the screen was touched. If a destination is already set, the location will be set as the new destination.
  “SETTING A POINT ON THE MAP” (page 4-32)

- “Add to Route”:
  Set the map location where the screen was touched to set a destination or a waypoint.
  This is available only when the suggested route is already set.
  “Setting a destination or waypoint” (page 5-19)
- “Nearby Places”:
  Search for points of interest near the map location where the screen was touched and set them as a destination or waypoint.

  Use the same search method as the one for places.
  ″FINDING A NEARBY PLACE” (page 4-7)
- “Store Location”:
  Store in the address book the map location where the screen was touched. The stored location can be retrieved to set it as a destination or waypoint.
  ″STORING A LOCATION” (page 6-2)
- “Delete”:
  Delete a stored location, destination or waypoint. To delete it, place the cross pointer over the corresponding icon.
- “Incident Detail”:
  Display the details of the traffic information icon.
  This function can be selected only when the traffic information icon is displayed.
  Place the cross pointer over the icon you want to check.

INFO:

Please note that incident details are a feature of Traffic Information, and that an XM NavTraffic® subscription is required in order to receive Traffic Information.

STORING YOUR HOME LOCATION/ADDRESS

HOW TO STORE HOME LOCATION

If a home location is already stored in the Address Book, it can be easily retrieved to set the route to the stored home location.

The procedure to store the home location is the same as for storing any other location.

“4. Setting a destination”

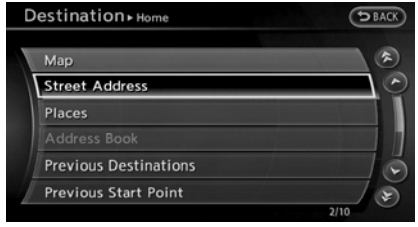
As an example, the procedure for storing the home location by searching for a destination by address is described here.

NGT0031

1. Press DEST.
2. Select “Home (Add New)”.

NGT0032

3. A confirmation message is displayed. Confirm the contents of the message, select “Yes”.



NGT0033

4. Select “Street Address”. A character input screen is displayed.

NGT0034

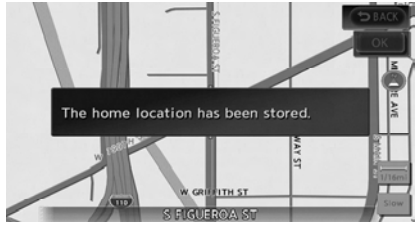
5. Enter the address of the home location, select “OK”.

   The map screen is displayed.

   “FINDING AN ADDRESS” (page 4-5)

NGT0035

6. Touch the screen to adjust the home location if necessary. Select “OK”.



NGT0036

7. A message is displayed and the home location is stored.

NGT0066

8. Select “OK”.
9. Press “Map” to return to the current location map screen. The home icon is displayed on the map.

INFO:

The same setting can also be performed by pressing SETTING and selecting “Navigation”.

“STORING A LOCATION BY SEARCHING” (page 6-2)

SEARCHING FOR A DESTINATION

As an example, the method for setting a restaurant as the destination using “Places” is described here.

NGT0037

1. Press DEST.
2. Select “Places”.

NGT0038

3. Select “Nearby RESTAURANT”.

INFO:

The search can be narrowed down by selecting “All Categories or Name” or “ZAGAT” on this screen.

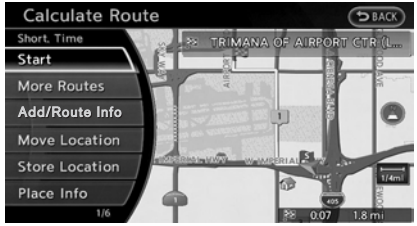
By selecting “All Categories or Name”, the area, name of facility, etc. can be further specified. By selecting “ZAGAT”, restaurants registered in the ZAGAT® database can be searched and sorted by its rating regarding food, decor, cost, and service.

NGT0039

4. Select the preferred restaurant from the list.

INFO:

- The position of the selected location is displayed in the preview on the right side of the screen.
- If there is a route already in progress, only places along the current route will be listed. Turn off “Show Along Route” at the top of list to display all nearby places.



NGT0040

5. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination.

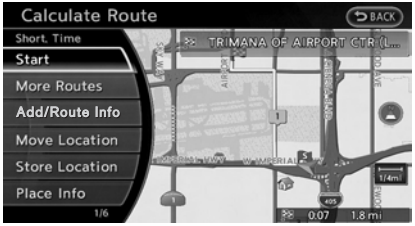
INFO:

- The system sets the destination to the selected location and starts calculating a route.
- Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc. if necessary.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

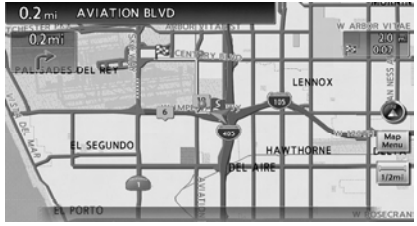
STARTING ROUTE GUIDANCE

After setting the destination and performing route calculation, the suggested route is displayed.



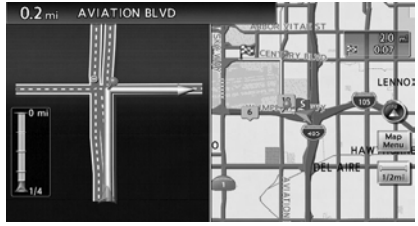
NGT0040

1. Select “Start”.



NGT0042

2. Once route guidance is started, the system navigates through the guide points using visual and voice guidance.



NGT0043

3. When approaching a guide point, the system automatically changes to the split screen and shows an enlarged view of the intersection in the left screen.

   Press MAP to switch to the full map screen.

NGT0044

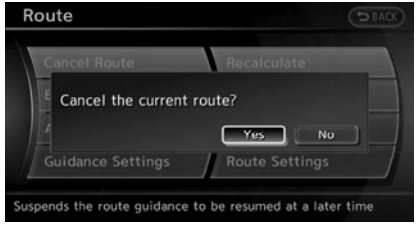
4. When arriving at the destination, route guidance automatically ends.

CANCELING A ROUTE

Delete a route that is already set according to the following procedure.

NRG0019

1. Press ROUTE.
2. Select “Cancel Route”.



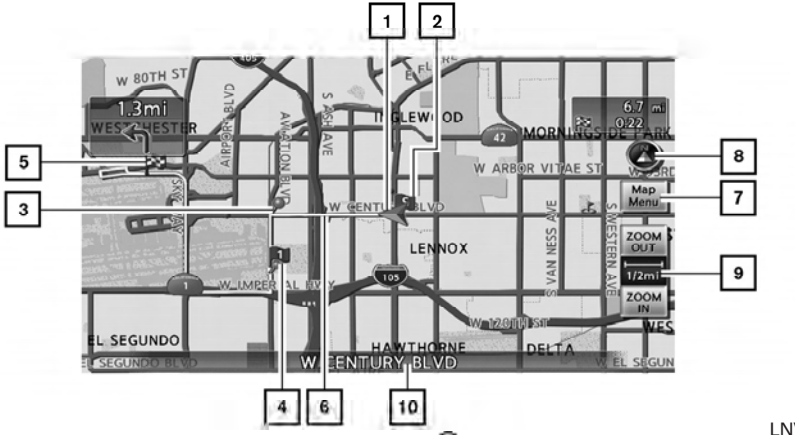
NGT0046

3. A confirmation message is displayed. Select “Yes”.

INFO:

- If a route is cancelled, “Cancel Route” changes to “Resume Route”.
  Select “Resume Route” to reactivate the cancelled route.
  This is available only until a new route is set or a currently set destination is deleted.
- The above step does not delete the destination that has been set. To delete a destination, press DEST and select “Delete Destination”.

″DELETE DESTINATION” (page 4-33)



LNV0569

HOW TO VIEW MAP SCREEN

The navigation system displays various information on the map screen.

Screen information

1 Vehicle icon:

Indicates the current vehicle location and the direction of travel.

2 Starting point:

Displays the vehicle location, with which the route is set, as the starting point.

3 Guide point:

Indicates a guide point on the route.

4 Waypoint:

Displays locations between the starting point and the destination. A maximum of 5 waypoints can be set.

5 Destination:

Indicates the destination location of the route guidance.

When you reach your destination, the address will be displayed on the map screen.

6 Suggested route:

Appears in bold yellow during route guidance.

7 Map Menu Map menu icon:

Touch the icon to display the Map Menu screen.

"MAP MENU SCREEN" (page 2-13)

8 / Direction indicator:

Indicates the setting of the map: north always pointing up or the vehicle's direction always pointing up on the display. Touch the icon to change this setting.

9 1/8 mi Scale indicator:

Indicates the scale of the map.

Touch the icon to display the scale bar. This allows the map scale to be adjusted.

"OPERATING WITH THE TOUCH OPERATION" (page 3-5)

10 Street name:

Displays the name of the street that the vehicle is currently driving on.

TURNING VOICE GUIDANCE ON/OFF

Voice guidance can be activated or deactivated and the volume adjusted.

NRG0081

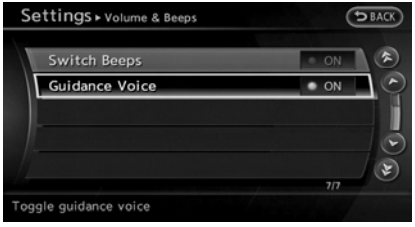
1. Press ROUTE.
2. Select “Guidance Settings”.

NGT0049

3. Select “Guidance Voice”. The indicator illuminates if voice guidance is activated.

Other settings

Voice guidance can also be activated or deactivated using the following procedure.



NGT0050

1. Press SETTING.
2. Select “Volume and Beeps”.
3. Select “Guidance Voice”.

NRG0081

1. Press ROUTE.
2. Select “Guidance Settings”.

NGT0051

3. Select “Guidance Volume”.

ADJUSTING VOICE GUIDANCE VOLUME

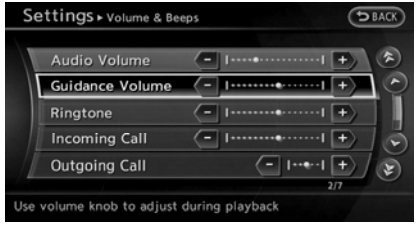
The voice guidance volume can be adjusted.

NGT0052

4. Adjust the voice guidance volume by touching the “+” or “-” keys.

Other settings

The volume of the voice guidance can also be adjusted according to the following procedure.



NGT0053

1. Press SETTING.
2. Select “Volume and Beeps”.
3. Select “Guidance Volume”.
4. Adjust the voice guidance volume by touching the “+” or “-” keys.

INFO:

The volume can also be adjusted by turning the audio system volume knob or pushing +/− on the steering wheel switch while voice guidance is being announced.

“Steering wheel switch” (page 2-3)

NISSAN Voice Recognition allows hands-free operation of the navigation system and other systems equipped on this vehicle, such as the phone, vehicle information and audio. NISSAN Voice Recognition can be used in one of two selectable modes, Standard Mode (default) or Alternate Command Mode.

“9. Voice recognition”

In Standard Mode, the commands that are available are always shown on the display and announced by the system. To perform operations, simply follow the prompts given by the system.

For advanced operation, change to Alternate Command Mode. When this mode is active, an expanded list of commands can be spoken after pushing , and the voice command menu prompts are turned off. Note that in this mode the recognition success rate may be affected because the number of available commands and ways of speaking each command are increased. Otherwise, it is recommended that Alternate Command Mode be turned to OFF and Standard Mode be used for the best recognition performance.

INFO:

- For voice recognition system operation related to the phone, audio or vehicle information systems, refer to the Owner's Manual of your vehicle.
- When the system language is set to "Francais" (French) or "Español" (Spanish), the available commands and functions may differ from those that are available when using the system in English.

USING THE SYSTEM

Initialization

When the ignition switch is pushed to the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If is pushed before the initialization completes, the display will show the message: "System not ready."

BEFORE STARTING

To get the best recognition performance from NISSAN Voice Recognition, observe the following points:

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.
- Wait until the tone sounds before speaking a command.
- Speak in a natural conversational voice without pausing between words.

GIVING VOICE COMMANDS

The method of giving a voice command in Standard Mode is described in this section.

NGT0092

1. Push button located on the steering wheel switch.

NGT0068

2. A list of commands appears on the screen, and the system provides the voice menu prompt “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. After the tone sounds and the icon on the screen changes from to , speak a command.
4. Continue to follow the voice menu prompts and speak after the tone sounds until operation is completed.

Operating tips

- Say a command after the tone.
- Commands that are available are always shown on the display and spoken through voice menu prompts. Commands other than those that are displayed are not accepted. Please follow the prompts given by the system.
- If the command is not recognized, the system announces, “Please say again”. Repeat the command in a clear voice.
- Touch BACK once to return to the previous screen.
- To cancel the command, press and hold the button. The message, “Voice recognition is cancelled” will be announced.
- Press the button to stop the voice prompt and give the command at once. Remember to wait for the tone before speaking.
- To adjust the volume of the system feedback, push the volume control buttons “+” or “-” on the steering wheel switch or use the audio system volume knob while the system is making an announcement.

COMMAND LIST

Category Command:

COMMAND	ACTION
Phone	Operates Phone function.
Navigation	Operates Navigation function.
Information	Displays Vehicle Information function.
Audio	Operates Audio function.
Help	Displays User Guide.

Navigation Command:

COMMAND	ACTION
Home	Sets a route to the home location that is stored in the Address book.
Address (if so equipped)	Searches for a location by the street address specified, and sets a route (for continental US only).
Places	Sets a route to a facility near the current vehicle location.
Address Book	Searches for information stored in the Address Book.
Previous Destinations	Sets a route to a previous destination.

Phone Command:

COMMAND	ACTION
Dial Number	Makes a call to a spoken phone number up to 10 digits.
Vehicle Phonebook	Makes a call to a contact that is stored in the vehicle phonebook.
Handset Phonebook	Makes a call to a phone number stored in a mobile phone.
Incoming Calls	Makes a call to a number in the incoming or outgoing call logs.
Outgoing Calls	Makes a call to a dialed number.
Missed Calls	Makes a call to a missed calls number.
International Call	Makes an international call by allowing more than 10 digits to be spoken.

Information Command:

COMMAND	ACTION
Where am I?	Displays GPS information.
Traffic Information	Turns the traffic information system on and off.

Audio Command:

COMMAND	ACTION
AM	Turns to the AM band, selecting the station last played.
FM	Turns to the FM band, selecting the station last played.
XM	Turns to the XM Satellite band, selecting the channel last played.
Music Box	Turns on the “Music Box” hard disk drive audio system.
CD	Starts to play a CD.

General Commands:

COMMAND	ACTION
Go back	Corrects the last recognition result to return to the previous screen
Exit	Cancels Voice Recognition

INFO:

Refer to the vehicle Owner's Manual for the details of other voice recognition operation categories such as phone, audio, etc.

Voice command examples

To use the voice recognition function, speaking one command is sometimes sufficient, but at other times it is necessary to speak two or more commands. As examples, some additional basic operations that are performed by voice commands are described here.

Example 1: Setting a destination by a street address:

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Navigation”.

NGT0071

4. Speak “Address”.

NGT0072

5. Speak the name of the state, “California”.

NGT0073

6. Speak the name of the city, “Gardena”.

NGT0093

7. Voice feedback will be provided when the command is accepted, and the list of city names is displayed.
8. After the tone sounds and the icon on the screen changes again, speak “One”.

Voice Recognition ▸ Address
BACK
GARDENA (LOS ANGELES), CA
Help
Manual Controls
Please include prefix (e.g. North, South) and suffix (e.g. Road, Lane), if known
To exit, hold the TALK switch

NGT0074

9. Speak the name of the street, “South Figueroa street”.

INFO:

Only the official street names stored in the map database can be recognized by the system. To improve accuracy, speak the street name precisely and include Boulevard, Way, North, South, etc., if known. If unsure of the full name, speaking only part of the street name such as “Figueroa” is acceptable, but recognition accuracy may be reduced.

NGT0075

10. Voice feedback will be provided when the command is accepted, and the list of street names appears.
11. After the tone sounds and the icon on the screen changes again, speak “One”.

Voice Recognition ▸ Address
BACK
FIGUEROA
GARDENA (LOS ANGELES), CA
Help
Manual Controls
House # Range: [14300 - 19299].
Say "No House Number" to use the default location on the street.
To exit, hold the TALK switch

NGT0076

12. Speak the house number.

“How to speak numbers” (page 9-5)

INFO:

If the house number is unknown, speak “No house number”.

NGT0077

13. To confirm the destination location on the map, speak “Show map”. To calculate a route, speak “Calculate route”.

Example 2: Placing a call to the phone number 800-662-6200:

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Phone”.

NGT0079

4. Speak “Dial Number”.

NGT0080

5. Speak “800”.

NGT0081

6. The system announces, “Please say next three digits or dial, or say change number”. Speak “662”.

NGT0082

7. The system announces, “Please say last four digits or say change number”. Speak “6200”.

NGT0083

8. The system announces, “Dial or Change Number?”. Speak “Dial”.

NGT0084

9. The system makes a call to 800-662-6200.

INFO:

- Speaking “800-662-6200” (10 continuous digits) or “662-6200” (7 continuous digits) is acceptable, if the area code is not necessary. However the 3-3-4 digit grouping is recommended for improved recognition.

  “How to speak numbers” (page 9-5)

- The NISSAN voice recognition system is not limited to recognizing phone numbers of only 7 or 10 digits. To dial a number in a format other than the 3-3-4 digit grouping, use the “International Call” command.
- If “Change Number” is spoken during phone number entry, the system will automatically request that the number be repeated using the 3-3-4 format. In this case please say the area code first and then follow the prompts.
- Do not add a “1” in front of the area code when speaking phone numbers.
- If the system does not recognize a voice command, please try repeating the command using a natural voice. Speaking too slowly or too loudly may further decrease recognition performance.

Example 3: Placing an international call to the phone number 011-81-111-222-3333:

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Phone”.

NGT0079

4. Speak “International Call”.

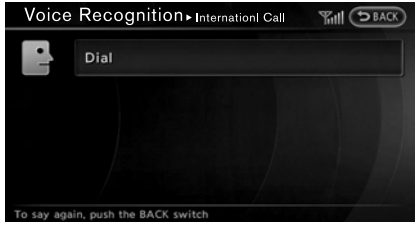
Voice Recognition ▸ International Call
BACK
Say the entire number or groups of numbers. Say 0 - 9, pound (#), star (*) or plus (+).
Help
Manual Controls
To exit, hold the TALK switch

NGT0087

5. Speak “011811112223333”.

NGT0088

6. Speak “Dial”.



NGT0089

7. The system makes a call to 011-81-111-222-3333.

INFO:

Any digit input format is available in the International Number input process.

3 Map settings

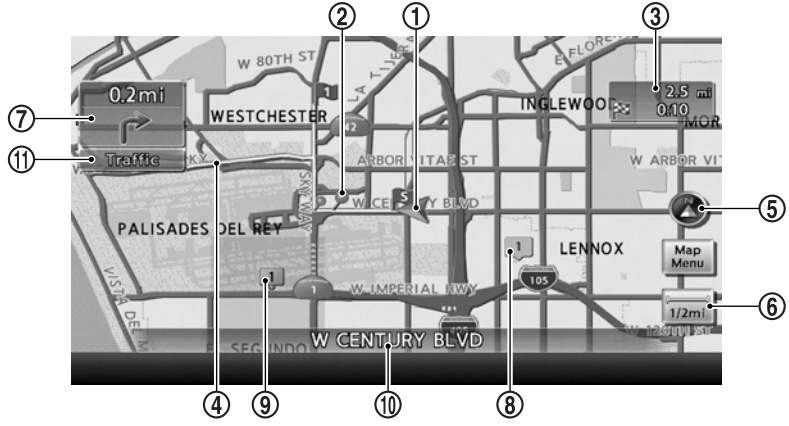
Map types 3-2
2D map 3-2
Birdview ™ (3D) map. 3-3
Building graphics. 3-3
Displaying the current vehicle location 3-5
Operation with buttons on control panel. 3-5
Operating with the touch operation 3-5
Moving a map 3-6
2D map 3-6
Birdview™ (3D) map 3-7
Changing the scale of a map. 3-9
Map scale 3-9
Changing the map view 3-11
Available views 3-12
Other settings. 3-13
Setting the map view. 3-13
Basic operation 3-14
Setting the map orientation 3-15
Setting the long range map view 3-17
Setting the map color 3-18
Changing the Birdview™ angle 3-19
Setting the left screen display. 3-20
Looking at information on the map 3-21
Displaying map icons 3-21
Map scrolling information 3-23
Map symbols. 3-24
Road color. 3-27
Traffic information on map 3-27

MAP TYPES

Two types of map views are available: 2D (Plan View) and 3D (Birdview™).

2D MAP

2D map displays the map in a 2-dimensional environment similar to a road map.



NMA0001

Screen information

1 Vehicle icon:

Indicates the current vehicle location and the direction that you are traveling.

2 Guide point:

Indicates a guide point on the route.

3 Remaining time and distance to the destination:

Indicates the approximate remaining time and distance to the destination or waypoint.

This indicator will appear when the destination or waypoint is set and route guidance is started.

When the vehicle is not driven on the suggested route, the screen displays the direction to the destination and the distance to the destination from the current vehicle position.

"SWITCHING ESTIMATED ARRIVAL TIME DISPLAY" (page 5-39)

4 Suggested route:

Appears in bold yellow during route guidance.

5 / Direction indicator:

Indicates the setting of the map: north always pointing up or the vehicle's direction always pointing up on the display. Touch the icon to change this setting.

"SETTING THE MAP ORIENTATION" (page 3-15)

6 1/2mi Scale indicator:

Indicates the scale of the map.

Touch the icon to display the scale bar. This allows the map scale to be adjusted.

"OPERATING WITH THE TOUCH OPERATION" (page 3-5)

7 0.1 mi Arrow and distance:

Indicates the distance to the next guide point and the turning direction at that guide point.

8 1 Stored Location (orange) :

Displays the locations that are stored in the Address Book. Icons can be changed according to personal preferences.

9 1 Avoid Area (green or blue) :

Displays the areas to avoid that are stored in the Address Book with green or blue icons. During the route search, the route guidance is performed by searching for a route that avoids those areas.

10 Street name:

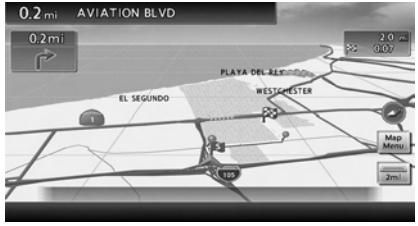
Displays the name of the street the vehicle is currently driving on.

11 Traffic indicator:

Displays the reception condition of traffic information transmitted from the provider.
Green: Reception condition is good.
Gray: Reception condition is not good.
No mark: Subscription to XM NavTraffic® service is not detected.

Birdview ™ (3D) MAP

Birdview ™ displays the map from an elevated perspective. In Birdview ™, it is easy to recognize an image of the route because it provides a panoramic view over a long distance.



NMA0002

INFO:

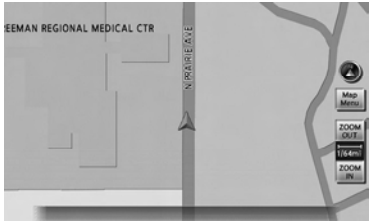
About the Birdview ™ display

- "Birdview ™" is a registered trademark of Clarion Co., Ltd.
- The map in Birdview ™ always appears with the current forward direction facing up.

BUILDING GRAPHICS

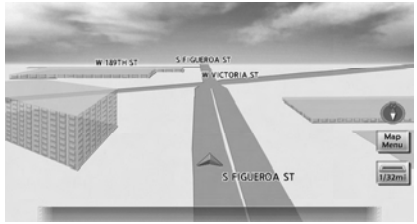
In the area where the building graphics are stored in the map data, the building graphics are displayed when the map is zoomed in. On the 2D map display, these are called "Building footprint graphics", and on the Birdview™ display, these are called "3D building graphics".

The method to look at the map is the same for the 2D and Birdview™ maps.



LNV0571

Building footprint graphics (2D map)



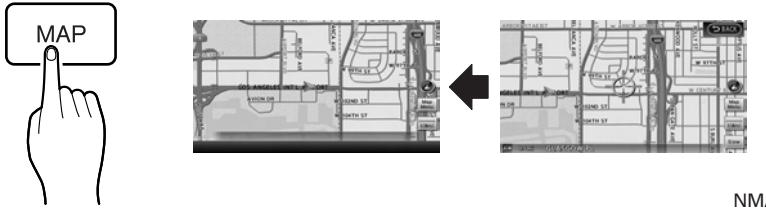
NMA0004

3D building graphics (Birdview™ map)

INFO:

In the area where the building graphics are not stored in the map data, the normal map is displayed even when the map is zoomed in.

DISPLAYING THE CURRENT VEHICLE LOCATION



NMA0005

NMA0006

OPERATION WITH BUTTONS ON CONTROL PANEL

The basic map screen displays the current location (the position where the vehicle mark is located). Press MAP to display the current location on the map while on any screen.

INFO:

Depending on the menu selected, pressing MAP may not return the display to the current location map screen.

OPERATING WITH THE TOUCH OPERATION

After moving the map, touch “Back” on the map screen to display the current location map screen.

MOVING A MAP

The operations for moving across the map are different between the 2D and Birdview™ maps.

NMA0008

2D MAP

1. Touch the screen.

   Displays the cross pointer, and the touched position is set as the center of the screen.

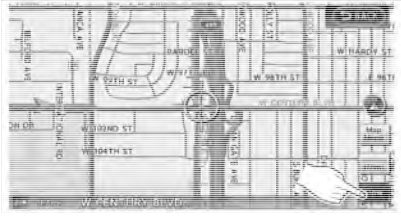
NMA0009

2. Touch and hold the direction to move to. The map continues to scroll while the screen is touched.

INFO:

While driving, scrolling on the map is limited to a specified distance.

If the map screen is set to the building footprint graphics, the map cannot be scrolled while driving.

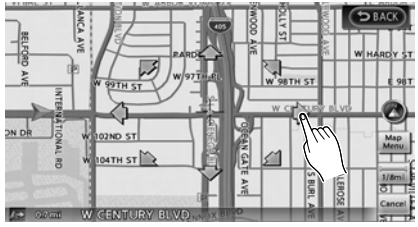


LNV2008

Fine-adjusting the cursor position:

1. Touch “Slow”.

   Displays the 8-directional key.

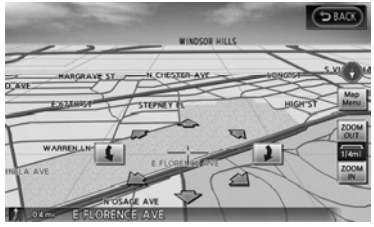


NMA0011

2. Touch the 8-directional key to adjust the cross pointer position. Touch “Back” to end the adjustment.

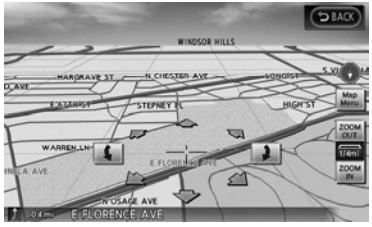
INFO:

Fine-adjusting the cursor position is not possible while driving.



LNV0607

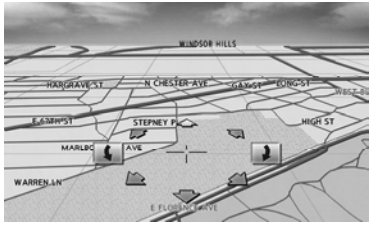
Birdview™ (3D) MAP



LNV0572

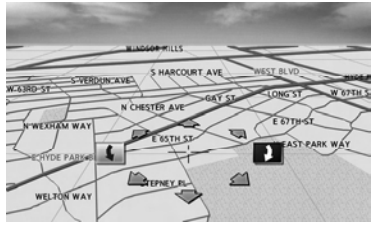
1. Touch the screen.

   Displays the cross pointer and 8-directional key.



LNV0573

2. Touch the direction to move to. The map continues to scroll while the screen is touched.



LNV0574

3. Touch or to change the direction of the map.

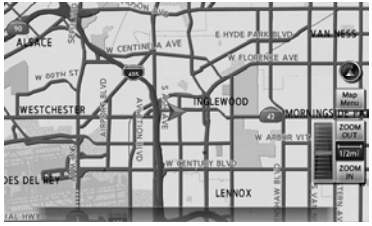
   Rotates the map clockwise.

   Rotates the map counterclockwise.

INFO:

While driving, scrolling on the map is limited to a specified distance.

CHANGING THE SCALE OF A MAP



LNV0576

1. Touch “ZOOM IN” or “ZOOM OUT” to change the scale.

Voice command

1. Press button located on the steering wheel switch.
2. After the tone sounds, speak a command.

   To change the map scale:

   “Zoom In <1 to 13>” (Alternate command mode)

   “ALTERNATE COMMAND MODE” (page 9-16)

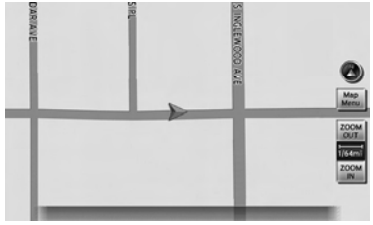
   “Zoom Out <1 to 13>” (Alternate command mode)

MAP SCALE

Any required map scale (map coverage) between 320 miles (640 km) and 1/32 of a mile (50 m) can be selected. If a destination has been set, one-touch operation can be used to switch to a scale at which the complete route to the next destination can be viewed.

Scale level for 2D map and Birdview™ map (3D) display

	English Units	Metric Units
Normal Map	320 Miles	640 km
	80 miles	160 km
	32 miles	64 km
	8 miles	16 km
	5 miles	10 km
	2 miles	4 km
	1 mile	2 km
	1/2 mile	1 km
	1/4 mile	500 m
	1/8 mile	200 m
	1/16 mile	100 m
	1/32 mile	50 m
Shows building footprint graphics	1/32 mile	50 m
	1/64 mile	25 m

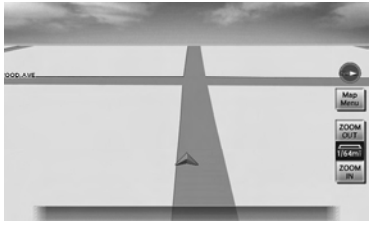


LNV0577

Example: The most detailed level (2D map)

LNV0578

Example: The widest level (2D map)



LNV0579

Example: The most detailed level (Birdview™ map)

LNV0580

Example: The widest level (Birdview™ map)

INFO:

The traffic information icons are not displayed on the map screen when the map scale is set to 32 miles (64 km) or higher.

"Traffic information display and scale levels" (page 7-9)

CHANGING THE MAP VIEW

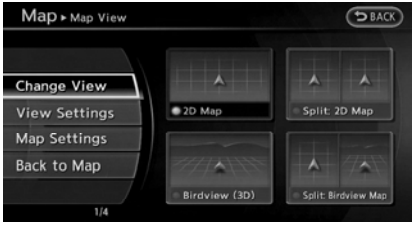
The map view can be changed between the 2D and Birdview™ maps. The map can also be displayed in the split screen mode.

NMA0022

1. Select “Map Menu” while the current location map screen is displayed.

NMA0023

2. Select “Map View”.



NMA0024

3. Select “Change view”.
4. Select the preferred map view. The indicator of the selected map view illuminates.
5. The display automatically returns to the map screen.

AVAILABLE VIEWS

- “2D map”:
  Switches to the 2D map.
- “Birdview™ (3D)”:
  Switches to the Birdview™ map.
- “Split: 2D Map”:
  Changes to the split screen mode and both halves display maps in 2D.
- “Split: Birdview™ Map”:
  Changes to the split screen mode and the left half displays the map in 2D and the right half displays the map in Birdview™.

INFO:

- When the split screen mode is selected, the map settings for the left screen can be changed independently.
  “SETTING THE LEFT SCREEN DISPLAY” (page 3-20)
- If the split screen mode is selected, the normal map scrolling and scale adjustment are set in the right screen. However, if an icon is touched before adjusting the map direction or scale, then each screen can be adjusted independently.

NMA0025

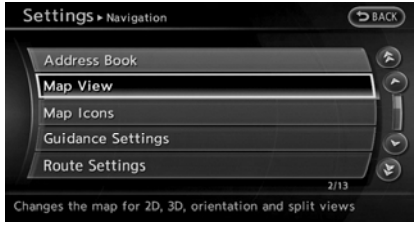
Split: 2D Map

NMA0026

Split: Birdview™

OTHER SETTINGS

The map view can also be set using the following procedure.



NMA0027

1. Press SETTING.
2. Select “Navigation”.
3. Select “Map View”.
4. Select “Change View”.
5. Select the preferred item.

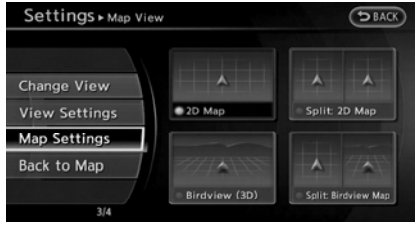
Voice command

1. Press button located on the steering wheel switch.
2. After the tone sounds, speak a command.
   - To display the 2D map: “Plan View map” (Alternate command mode)
   - To display the Birdview™ map: “Birdview™ map” (Alternate command mode)

Other settings are also available for the map screen, such as changing the map direction, map color, Birdview™ angle, etc.

NMA0022

NMA0023



NMA0028

BASIC OPERATION

1. Select MAP menu while the current location map screen is displayed.
2. Select “Map View”.
3. Select “Map Settings”.

NMA0029

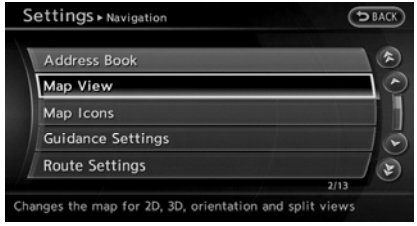
4. Select the preferred item.

Available setting items

- “Map Orientation”:
  Set the map direction to North up or Heading Up.
  “SETTING THE MAP ORIENTATION” (page 3-15)
- “Long Range”:
  Set the long range map view display ON/OFF.
  “SETTING THE LONG RANGE MAP VIEW” (page 3-17)
- “Map Color”:
  Change the map color.
  “SETTING THE MAP COLOR” (page 3-18)
- “Birdview™ Angle”:
  Change the Birdview™ angle.
  “CHANGING THE Birdview™ ANGLE” (page 3-19)
- “Left Split Map Settings”:
  Set the map settings for the left screen of the split map.
  “SETTING THE LEFT SCREEN DISPLAY” (page 3-20)
- “Show all Freeway Exits on Route”/“Show all Freeway Exits without Route”:
  Set the display of the freeway exit information ON/OFF.
  “Show exit information on freeways” (page 5-12)

Other settings

The orientation of the map can also be set using the following procedure.



NMA0027

1. Press SETTING.
2. Select “Navigation”.
3. Select “Map Settings”.

SETTING THE MAP ORIENTATION

The map direction (orientation) can also be changed in the 2D map. These settings are available only in the 2D Map or 2D/2D split map.

NMA0029

1. Select “Map Orientation”.

NMA0032

2. Select the preferred orientation. The indicator of the selected map orientation illuminates.
3. Press “Map” to return to the current location map screen.

Available map orientations

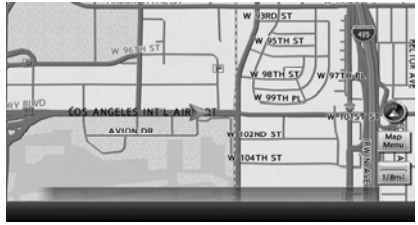
- “North Up”:
  North is set at the top of the map.
- “Heading Up”:
  The traveling direction is set at the top of the map.

INFO:

If the map orientation is switched, the icon displayed in the lower left corner is also switched.

: North Up

: Heading Up



NMA0031

North Up

NMA0033

Heading Up

INFO:

Touching the icon on the map screen can also change the direction of the map.

Voice command

1. Press button located on the steering wheel switch.
2. After the tone sounds, speak a command.

   To charge the map direction:

   “North Up” (Alternate command mode)

   “Heading Up” (Alternate command mode)

SETTING THE LONG RANGE MAP VIEW

The position of the vehicle icon can be changed to view a wider area in the traveling direction. If this function is activated, the vehicle icon is located slightly lower than the center of the screen.

NMA0034

1. While in 2D or split 2D mode, select “Long Range”. The indicator illuminates.
2. Press MAP to return to the current location map screen.

NMA0035

Long Range Map View

INFO:

While in 2D or split 2D mode, “Long Range” is displayed only when “Heading Up” is selected.

SETTING THE MAP COLOR

The map color can be changed to a warm or cool color, or a light color to emphasize the traffic information.

NMA0036

1. Select “Map Color”.

NMA0037

2. Select the preferred map color. The indicator light of the selected color illuminates.

Available map colors

- “Warm”:
  Set warm colors for the map coloring.
- “Cool”:
  Set cool colors for the map coloring.
- “Traffic Emphasis”:
  Set light colors for the map coloring to emphasize the traffic information.

INFO:

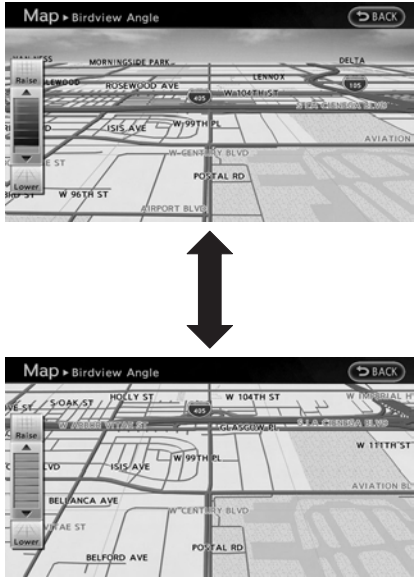
The effect of setting changes can be confirmed on the preview displayed on the right side of the screen.

CHANGING THE Birdview™ ANGLE

The Birdview™ angle can be changed. This setting is available only in the Birdview™ map or 2D/Birdview™ split map.

NMA0038

1. Select “Birdview™ Angle”.



NMA0039

2. Adjust the Birdview™ angle by touching the up or down arrows.

3. Press MAP to return to the current location map screen.

SETTING THE LEFT SCREEN DISPLAY

When the split screen is displayed, the map settings of the left screen can be changed.

NMA0040

1. Select “Left Split Map Settings”.

NMA0041

2. Select the preferred map view.
3. Press MAP to return to the current location map screen.

Available setting items

- “Map Orientation”: The map direction can be highlighted as follows.

  — “North Up”:
  North is set at the top of the map.

  — “Heading Up”:
  The traveling direction is set at the top of the map.
- “Long Range”:
  The vehicle icon is located slightly lower than the center of the screen. This offers a wider view in the traveling direction.
- “Map Scale”:
  A scale appears on the left side of the screen. This changes the scale of a map.

LOOKING AT INFORMATION ON THE MAP

Icons of various categories of locations can be displayed on the map.

DISPLAYING MAP ICONS

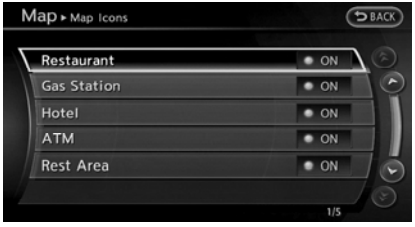
Map icons can be displayed or hidden by type.

NMA0053

1. Touch “Map Menu” while the current location map screen is displayed.

NMA0042

2. Select “Map Icons”.



NMA0043

3. Select the preferred icon. The icon display setting toggles between on and off each time the key is touched. The indicator of the selected icon illuminates.

NMA0044

4. Press MAP to return to the current location map screen. The activated icons are displayed on the map.

INFO:

If registered in the map data, the brand icons will be displayed on the map instead of the general map icons listed below.

Map icons that can be displayed

- Restaurant
- Gas Station
- Hotel
- ATM
- Rest Area

Other settings

Landmark icons can also be set using the following procedure.

NMA0045

1. Press SETTING.
2. Select “Navigation”.
3. Select “Map Icons”.

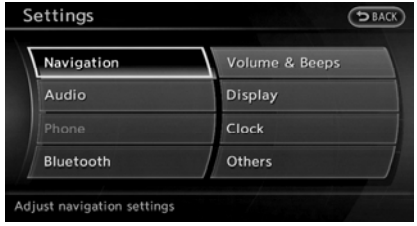
INFO:

The map icons are not displayed on the map screen when the map scale is set to 1/4 mile (500 m) or higher in the 2D map, or to 1 mile (2 km) or higher in Birdview™ map.

MAP SCROLLING INFORMATION

Information about the location on which the center of the cross pointer is placed can be set to be displayed.

1. Press SETTING.



NMA0046

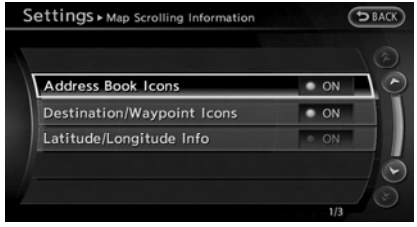
2. Select “Navigation”.

NMA0047

3. Select “Others”.

LNV0581

4. Select “Map Scrolling Information”.



NMA0049

5. Select the preferred information item. The indicator of the selected information item illuminates.

   Available information items:

   - “Address Book Icons”
   - “Destination/Waypoint Icons”
   - “Latitude/Longitude Info.”

NMA0050

6. Press MAP to return to the current location map screen. Move the cross pointer to the set location to display the information.

MAP SYMBOLS

This navigation system uses symbols to display facilities.

2-D icons (Plan View)

Airport

Amusement Park

Bank

Car Rental

City Hall

Commuter Rail Station

Courthouse

Ferry Terminal

Golf Course

Gas Station

Historical Monument

Hotel or Motel

Library

Marina

Military Base

Museum

Open Parking Area

Park & Ride

Parking Garage

Police Station

Service Station
(Rest Area)

Restaurant

Shopping Center

Sports Complex

Station

Super Market

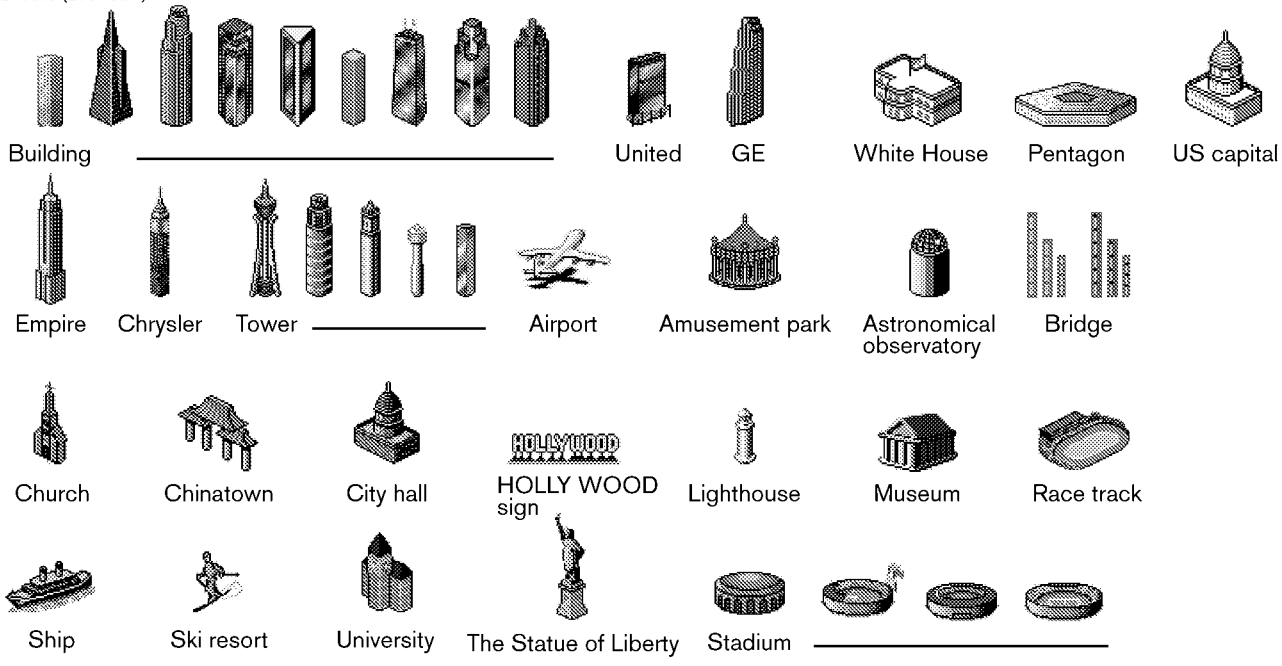
Tourist Office

University or College

Other facilities

LNV0545

3-D icons (Birdview™)



LNV0546

ROAD COLOR

The road types are differentiated by colors.

Freeway: Red or Light Red (zoomed in)

Main road: Brown or Dark Yellow

Narrow street: Gray

Road with incomplete map data: Dark green

TRAFFIC INFORMATION ON MAP

With a subscription to XM NavTraffic® service, traffic information is displayed.

“VIEWING AVAILABLE TRAFFIC INFORMATION” (page 7-4)

Free Flow: Green arrow

Moderate traffic: Yellow arrow

Heavy traffic: Red arrow

Section affected by serious traffic event: Purple dashed arrow

Traffic information icons:

- : Accident
- : Closed Road
- : Information
- : Road Work
- : Slippery Road
- : Weather
- : Incident

MEMO

4 Setting a destination

Destination screen 4-2
Basic operation 4-2
Specifying the region 4-3
Specifying the city 4-4
Finding an address 4-5
Finding a place 4-7
Setting home location 4-15
Setting by address book 4-17
Setting a previous destination 4-18
Setting the previous start point 4-20
Setting from stored routes 4-21
Setting by phone number 4-23
Setting a freeway entrance/exit 4-24
Setting an intersection 4-27
Setting a city center 4-29
Setting a point on the map 4-32
Delete destination 4-33

DESTINATION SCREEN

There are several methods available to set a destination. Understand the advantages of each method and select the best method for finding and setting a preferred destination.

NDE0001

BASIC OPERATION

1. Press DEST.
2. Select the preferred destination setting method.

Available setting items

- Street Address:
  Searches for a destination by address.
- Places:
  Searches for a destination from various categories of businesses or locations.
- Home:
  Searches for a route from the current location to the previously stored home destination.
- Address Book:
  Searches for a destination from the list of the stored locations.
- Previous Destinations:
  Searches for a destination from the previous destinations.
- Delete Destination:
  Deletes the currently set destination.

Available setting items (next page screen)

- Previous Start Point:

  Sets the previous starting point as the destination.
- Stored Routes:

  Selects a stored route.
- Phone Number:

  Searches for a point of interest by a telephone number.

INFO:

The system cannot be used to search for residential phone numbers.

- Freeway Entrance/Exit:

  Searches for a destination from a freeway entrance/exit.

- Intersection:

  Searches for a destination from intersections.

- City Center:

  Sets the center of a city as the destination.

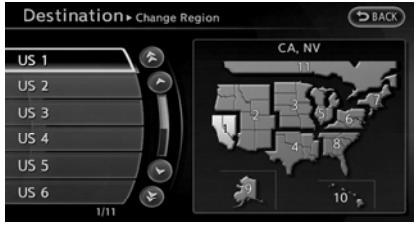
SPECIFYING THE REGION

When setting a destination, the location can be narrowed down by specifying the region or city.

NDE0002

Specifying the region

1. Press DEST.
2. Select “Change Region”.



NDE0003

3. Select the preferred region.

Available setting items

- US1: CA, NV
- US2: AZ, CO, ID, MT, NM, OR, UT,WA, WY
- US3: IA, KS, MN, MO, ND, NE, SD
- US4: AR, LA, MS, OK, TX
- US5: IL, IN, MI, WI
- US6: DC, DE, KY, MD, OH, PA, VA, WV
- US7: CT, MA, ME, NH, NJ, NY, RI, VT
- US8: AL, FL, GA, NC, SC, TN
- US9: AK
- US10: HI
- Canada

INFO:

- It is also possible to select a region by touching the map on the right side of the screen.
- It is not possible to search for a route from the continental United States to Hawaii.

SPECIFYING THE CITY

When searching for a destination with “Street Address”, “Places”, “Freeway Entrance/Exit”, “Intersection” or “City Center”, the search can be narrowed down by specifying the city.

NDE0004

1. Select “Select a City” or “City”.

NDE0010

2. Enter the name of the city, select “List”. A list screen is displayed.

INFO:

Select “Last 5 Cities” to display 5 cities recently set as destinations.

NDE0005

3. Select the city of the destination from the list.

INFO:

In some cases, when a city name has been entered, the number of matching destinations in the “Matches” column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

FINDING AN ADDRESS

When the address of the destination is available, use this method to enter the address and then have the system calculate a route. A location near the preferred destination can also be searched for by entering the house number if the map data contains the relevant data.

NDE0006

1. Press DEST and select “Street Address”. A character input screen is displayed.

NDE0007

2. Enter the house number and select “OK”. If the house number is not available, select ″No House #″. A street name input screen is displayed.

NDE0008

3. Enter the name of the street. After finishing the entry, select "List". A list of streets is displayed.

NDE0009

4. Select the correct street of the destination from the list.

INFO:

In some cases, when a street name has been entered, the number of matching destinations in the "Matches" column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

NDE0011

5. The entire route is shown on the map. Select "Start" after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

"PROCEDURES AFTER SETTING A DESTINATION" (page 5-2)

Voice command

1. Press located on the steering wheel switch.

2. After the tone sounds, speak a command. To set the destination from a street address: “Navigation” “Address” (Standard mode) “Address” (Alternate command mode)

INFO:

When using a voice command to set a street name, the complete street name is recommended to be stated.

Examples:

Correct input — North Elm Street
East Jefferson Boulevard
Incorrect input — Elm Street
East Jefferson

FINDING A PLACE

There are 3 methods to set the destination to places: typing the name, choosing a category or selecting a Zagat® reviewed location. To help improve searching, different start points can be chosen to search from such as Near Current Location, Near the Destination, or a particular city.

NDE0012

Finding a nearby place

1. Press DEST.
2. Select “Places”.

NDE0013

3. Select the preferred nearby category from the list.
   A list screen is displayed.

INFO:

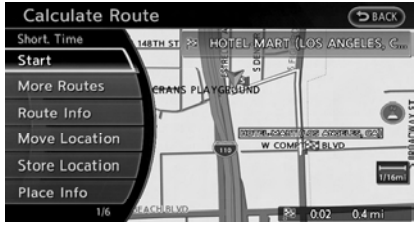
Select “Customize Nearby Places” to customize the nearby places list to show categories that are frequently used.

NDE0014

4. Select the preferred destination from the list. The position of the selected location is displayed in the preview on the right side of the screen.

INFO:

- A maximum of 100 facilities can be displayed on the list screen.
- If the suggested route is already set, the system displays only the facilities located along the route.



NDE0015

5. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

If there is a route already set, the new selected location becomes a waypoint.

NDE0019

Other settings:

The destination can be set by touching the current or scrolled location map screen and selecting “Nearby Places”.

INFO:

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To display the nearby category list and select the destination from it:
   “Navigation” “Places” (Standard mode)
   “Places” (Alternate command mode)

NDE0012

Searching by other methods

1. Press DEST.
2. Select “Places”.

NDE0017

3. Select “All Categories or Name”.

NDE0018

4. Set the narrowing down conditions for the landmarks.

INFO:

Select “Change Region” to change the region. A screen for selecting a region is displayed.

NDE0019

NDE0020

NDE0021

INFO:

If “Select a City” is selected, a city name input screen is displayed. Specify the city to search for before narrowing down the categories.

- Enter the city name, select “List”. To select the city from the recently set destinations, select “Last 5 Cities” instead of entering the name.
- Select the preferred city from the list .

5. Select the main category from the list.

INFO:

To select the category by directly inputting the category name, select “Category Search”. The category name input screen is displayed.

NDE0022

6. Select the subcategory.

INFO:

Subcategories may not exist depending on the category that is selected.

NDE0023

7. Enter the name of the destination facility and select “List”.
   The facility list is displayed.

INFO:

- It is not necessary to enter the facility name completely. It is also possible to display the list screen only by selecting “List” without entering the facility name .
- The number of narrowed down points are displayed in the “Matches” column.
- Up to two keywords (part of the facility name) can be entered by selecting “AND Search” after entering the first facility name.

NDE0024

INFO:

The facility name can also be entered directly by selecting “Choose Name” on the main category list screen.

NDE0025

8. Select the preferred destination from the list.

INFO:

- By selecting “Sort”, options can be sorted from “By Name” or “By Distance”. When selecting “By Distance”, the position of the selected location is displayed in the preview on the right side of the screen.
- In some cases, when a facility name has been entered, the number of matching destinations in the “Matches” column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.
- The search conditions can be changed by selecting “Refine”.

NDE0026

9. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

NDE0012

Searching for a restaurant by Zagat® rating

1. Press DEST.
2. Select “Places”.

NDE0027

3. Select “ZAGAT”.

NDE0028

4. Select the preferred state. A list screen is displayed.

NDE0029

5. Select the preferred city. A list screen is displayed.

NDE0030

NDE0031

NDE0032

Searching for a restaurant:

1. Select “RESTAURANT”. A list screen is displayed.
2. Select the preferred category. A list screen is displayed.
3. Select the preferred sorting order. A list screen is displayed.

Destination ▸ Places
BACK
ZAGAT
Food Dec. Serv. Cost
Sort
Refine
Ratings
AHI SUSHI (LOS ANGELES, CA) 22 17 20 $35
ASAKUMA (LOS ANGELES, CA) 20 14 16 $33
ASAKUMA (LOS ANGELES, CA) 22 15 20 $38
ASANEBO (LOS ANGELES, CA) 22 15 20 $38
ASUKA (LOS ANGELES, CA) 17 13 13 $14
2/42

NDE0033

4. Select the preferred destination facility from the list.

INFO:

- By selecting “Sort”, sorting options can be selected to re-sort the list.
- The search conditions can be changed by selecting “Refine”.
- By selecting “Ratings”, an explanation of the Zagat® ratings can be displayed.

NDE0034

5. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

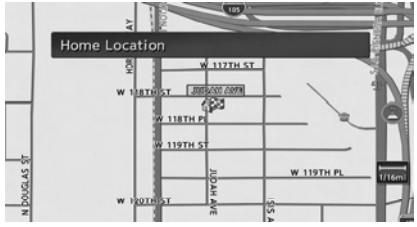
©2009 Zagat® Survey, LLC. Zagat® Survey is a registered trademark of Zagat® Survey, LLC

SETTING HOME LOCATION

The home location can be set as the destination to which the system calculates a route. This function is especially useful when searching for a route to return to the home location.

NDE0035

1. Press DEST.
2. Select “Home”.



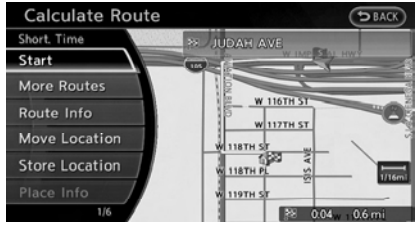
NDE0036

3. A confirmation message is displayed, and the system sets the home location as the destination.

INFO:

If the home location is not stored yet, the system will automatically display a screen for storing it.

“STORING A LOCATION” (page 6-2)



NDE0037

4. The entire route to home is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

Voice command

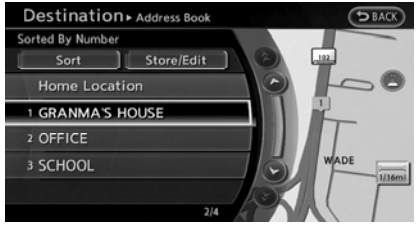
1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To set the home location as the destination: “Navigation” “Home” (Standard mode) “Home” (Alternate command mode)

SETTING BY ADDRESS BOOK

A location stored in the Address Book can be set as the destination to which the system calculates a route. To utilize this function more effectively, destinations that are often traveled to should be stored in advance.

NDE0038

1. Press DEST.
2. Select “Address Book”. A list screen is displayed.



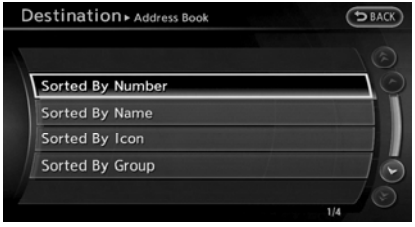
NDE0039

3. Select the preferred location from the list.

INFO:

- Selecting “Sort” displays a list of various sort functions. To use the sort functions, stored locations must be set in advance.

“EDITING THE STORED HOME AND ADDRESS” (page 6-14)



NDE0040

INFO:

- Sort by Number:
  The Address Book entries are displayed in ascending numerical order.
- Sort by Name:
  The Address Book entries are displayed in alphabetic order.
- Sort by Icon:
  By selecting a particular icon, a list that contains only the Address Book entries associated with that icon is displayed.
- Sort by Group:
  By selecting a particular group (family, friends, leisure, etc.), the selected group is displayed at the top of the list.

NDE0041

4. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To set the destination from the Address Book:
   “Navigation” “Address Book” (Standard mode)
   “Address book” (Alternate command mode)

SETTING A PREVIOUS DESTINATION

A previously set destination can be set again as the destination to which the system calculates a route. Up to 300 previous destinations will be automatically stored.

If the number of previous destinations exceeds 300, the oldest one will be replaced by the new one.

NDE0042

1. Press DEST.
2. Select “Destinations”. A list screen is displayed.

NDE0043

INFO:

By selecting ″By Date″, the list can be sorted in chronological order. By selecting ″By Name″, it can be sorted in alphabetical order.

3. Select the preferred destination from the list.

NDE0044

4. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

Voice command

1. Press located on the steering wheel switch.

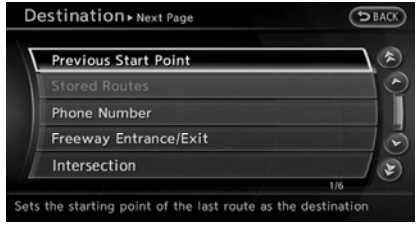
2. After the tone sounds, speak a command. To display the Previous Destinations list: “Navigation” “Previous Destinations” (Standard mode)
“Previous Destinations” (Alternate command mode)

SETTING THE PREVIOUS START POINT

The start point of the previous route guidance can be set as the destination to which the system calculates a route.

NDE0045

1. Press DEST.
2. Select “Next Page”.



NDE0046

3. Select “Previous Start Point”.

NDE0047

4. The previous start point is set as a destination, and the entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

Voice command

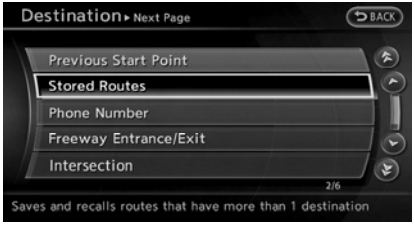
1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To set the previous start point as the destination:
   “Previous Start Point” (Alternate command mode)

SETTING FROM STORED ROUTES

A preferred route can be selected from the stored routes.

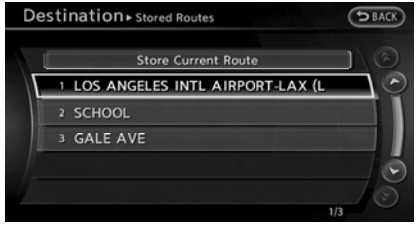
NDE0045

1. Press DEST.
2. Select “Next Page”.



NDE0048

3. Select “Stored Routes”. A list screen is displayed.



NDE0049

4. Select the preferred route from the list. The route to the destination is set.

NDE0050

5. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

- Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

  “PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

- The stored route includes only locations (destination and waypoints) and route calculation conditions, not the route itself. Therefore, when the destination is set using a stored route, a different route may be suggested if the current vehicle location is different from the one when the route was stored.

SETTING BY PHONE NUMBER

If the telephone number of the facility is available, use this to find the facility by entering the number, and then have the system calculate a route.

INFO:

- Telephone numbers that were stored for stored destinations can also be used.
- If the area code of the specified telephone number does not exist in the map data, the system will not search for the location.
- Only the locations included in the database in the map data can be searched by the phone number. Residential phone numbers cannot be used to search for a location.

NDE0045

1. Press DEST.
2. Select “Next Page”.

NDE0051

3. Select “Phone Number”. The telephone number input screen is displayed.

NDE0052

4. Enter the telephone number including the area code.
5. After finishing the entry, select “List”.

“NUMBER INPUT SCREEN” (page 2-12)

NDE0053

6. Displays a list screen if there are two or more search results. Select the preferred destination from the list.

NDE0054

7. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

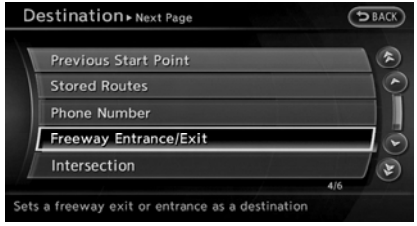
“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

SETTING A FREEWAY ENTRANCE/EXIT

The entrance or exit of a freeway can be set as the destination to which the system calculates a route.

NDE0045

1. Press DEST.
2. Select “Next Page”.



NDE0055

3. Select “Freeway Entrance/Exit”. A character input screen is displayed.

NDE0056

4. Enter the name of the freeway.
5. After finishing the entry, select “List”.

NDE0057

6. Select the freeway of the destination from the list.

NDE0058

7. Select “Entrance” or “Exit”. A list screen is displayed.

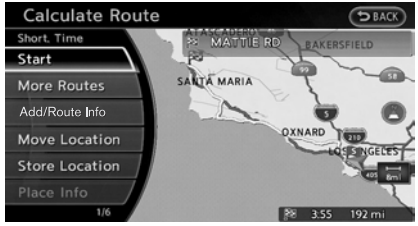
NDE0059

8. Select the preferred destination from the list. The position of the selected location is displayed in the preview on the right side of the screen.

NDE0060

INFO:

By selecting “By Distance”, the list can be sorted by the nearest distance.



NDE0061

9. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

SETTING AN INTERSECTION

An intersection of any two streets can be set as the destination to which the system calculates a route.

NDE0045

1. Press DEST.
2. Select “Next Page”.

NDE0062

3. Select “Intersection”. A character input screen is displayed.

NDE0063

4. Enter the name of the 1st street. After finishing the entry, select “List”.
   A list screen is displayed.

Destination ▸ Intersection
BACK
S FIG AVE (CARUTHERS, CA)
S FIG AVE (FRESNO, CA)
S FIG ST (ESCONDIDO, CA)
S FIGUEROA ST (LOS ANGELES, CA)
S FIGUEROA ST (GARDENA, CA)
S FIGUEROA ST (CARSON, CA)
1/8

NDE0064

5. Select a street as the 1st street from the list.
   A character input screen is displayed.

NDE0065

6. Enter the name of the 2nd street. After finishing the entry, select “List”. A list screen is displayed.

NDE0066

7. Select a street as the 2nd street from the list.

NDE0067

8. The entire route is shown on the map. Select “Start” after confirming the location of the displayed destination. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

SETTING A CITY CENTER

The system can calculate a route to the center of a city, without setting a specific location.

NDE0045

1. Press DEST.
2. Select “Next Page”.

NDE0068

3. Select “City Center”. A character input screen is displayed.

NDE0069

4. Enter the name of the city, select “List”. A list screen is displayed.

INFO:

Select “Last 5 Cities” to display 5 cities recently set as destinations.

NDE0070

5. Select the preferred destination from the list. The position of the selected location is displayed in the preview on the right side of the screen.

NDE0071

INFO:

By selecting “By Distance”, the list can be sorted by the nearest distance.

NDE0072

6. The selected destination is displayed at the center of the map. Select “Start” after confirming the location of the displayed destination.
   The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, the location of the destination can be adjusted, the route can be stored, etc.

“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

SETTING A POINT ON THE MAP

A location touched on the map can be set as the destination to which the system calculates a route.

NDE0073

1. Scroll the map, place the cross pointer over the preferred location, and select “Map Menu”.

INFO:

- Adjust the map scale to search for a location more effectively.
- The point on the blinking road where the center of the cross pointer is located can be set as a destination.

NDE0074

2. Select “New Dest.”.

INFO:

For the items except for “New Dest.”, refer to “Map menu screen”.

“SCROLLED LOCATION MAP SCREEN” (page 2-14)

NDE0075

3. The system sets the destination to the selected location and starts calculating a route.

NDE0076

INFO:

If a point on a freeway is set as the destination, a confirmation message is displayed.

NDE0078

It is possible to delete a destination and all waypoints that have already been set.

1. Press DEST.
2. Select “Delete Destination”.

NDE0079

3. A confirmation message is displayed. Select “Yes”.
   The destination and the waypoints are deleted.

INFO:

The deleted destination and waypoints are not able to be reactivated.

Voice command

1. Press on the steering wheel switch.
2. After the tone sounds, speak a command. To delete a destination and all waypoints: “Delete Destination” (Alternate Command Mode)

5 Route guidance

Procedures after setting a destination 5-2
Available items after setting a destination 5-2
Starting route guidance 5-3
Selecting a route 5-3
Confirming a route 5-4
Adding a destination or waypoint 5-4
Moving location of destination 5-6
Storing location 5-6
Viewing information about searched location 5-7
About route guidance 5-8
Voice guidance during route guidance 5-8
Guidance screens and preview mode 5-9
Guidance screen settings 5-10
Route screen 5-16
Basic operation 5-16
Deleting/reactivating a route 5-17
Editing a route 5-18
Confirming a route 5-25
Guidance settings 5-28
Recalculate route 5-29
Setting a detour route 5-31
Searching for a detour route taking traffic information into consideration 5-32
Setting conditions for the route calculation 5-33
Route guidance settings 5-36
Basic operation 5-36
Setting voice guidance at intersections 5-37
Displaying small turn arrow on map 5-38
Switching estimated arrival time display 5-39
Set average speeds 5-40

PROCEDURES AFTER SETTING A DESTINATION

After performing a route search, the route guidance can be started immediately. Also, it is possible to confirm or change a route.

NRG0001

AVAILABLE ITEMS AFTER SETTING A DESTINATION

- “Start”:
  Starts route guidance to the selected destination.
  “STARTING ROUTE GUIDANCE” (page 2-19)
- “More Routes”:
  Displays 3 alternative routes.
  “SELECTING A ROUTE” (page 5-3)
- “Add/Route Info”:
  Displays the route information.
  “CONFIRMING A ROUTE” (page 5-4)
- “Move Location”:
  Displays a map screen and allows the location of the destination to be adjusted.
  “MOVING LOCATION OF DESTINATION” (page 5-6)
- “Store Location”:
  Stores the location in the Address Book.
  “STORING LOCATION” (page 5-6)
- “Place Info”:
  Displays information about the facility that is set as the destination, if it is included in the map data.
  “VIEWING INFORMATION ABOUT SEARCHED LOCATION” (page 5-7)

INFO:

- If no operations are performed on the system for several seconds, “Start” is automatically selected, and the system starts route guidance.
- When using waypoints, “More Routes” is disabled. After the route is started, select ROUTE then “Edit/Add to Route” to change the route between each waypoint.
  “EDITING A ROUTE” (page 5-18)

- Even if the map screen is touched, the same map screen as when “Move Location” is selected is displayed.

NRG0001

STARTING ROUTE GUIDANCE

1. Select “Start”. Route guidance starts.

NRG0002

SELECTING A ROUTE

1. Select “More Routes”.
2. Select the preferred route condition.
3. Press BACK to return to the previous screen.

Available route conditions

- “Short. Time” (purple):
  Prioritizes by the shortest time.
- “Min. Freeway” (orange):
  Minimizes the use of freeways.
- “Short. Dist.” (green):
  Prioritizes by the shortest distance.

INFO:

- After a route is selected, a preview is displayed on the right side of the screen.
- The 3 routes may not always be different.

NRG0004

CONFIRMING A ROUTE

1. Select “Add/Route Info”.
2. Select the preferred information item.
3. Press BACK to return to the previous screen.

NRG0005

Available information

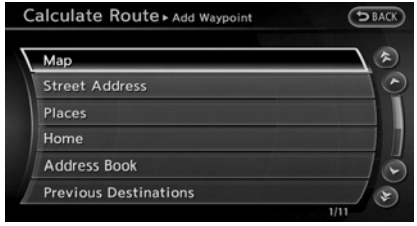
- “Turn List”:
  Displays the details of the suggested route.
  “Using turn list” (page 5-27)
- “Preview”:
  The system will trace the planned route going forward or in reverse.
  “Using route preview” (page 5-27)
- “Add Way Pt.”:
  Edit the route by adding a destination or waypoint.
  “ADDING A DESTINATION OR WAYPOINT” (page 5-4)
- “Store Route”:
  A calculated route can be stored. A maximum of 5 routes can be stored. Stored routes can be easily retrieved and set as the suggested route.
  “STORING A ROUTE” (page 6-7)
- “Map Scroll”:
  Displays a map screen where the location of the destination can be confirmed. Even if the map screen is touched, the same map screen as when “Map Scroll” is selected is displayed.

ADDING A DESTINATION OR WAYPOINT

Before starting route guidance, destinations and/or waypoints can be added. A total of 6 destinations or waypoints can be set.

NRG0006

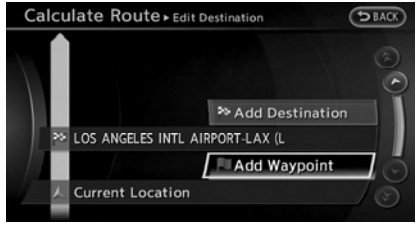
1. Select “Add Way Pt.”.



NRG0007

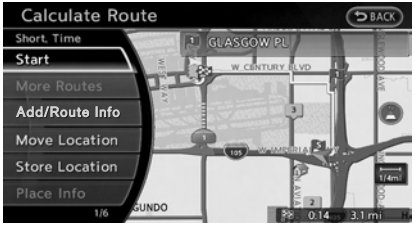
2. Set additional destinations or waypoints. The method of searching for a location is the same as the one for a destination.

“SETTING A DESTINATION” (page 2-18)



NRG0008

3. Select “Add Destination” or “Add Waypoint”.



NRG0009

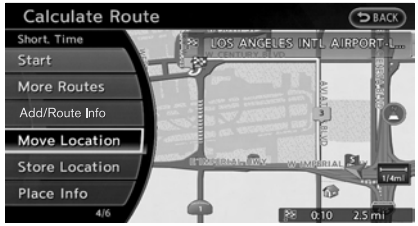
4. The system starts calculating a route that includes the added destination or waypoint. When the calculation is finished, the route is displayed.

INFO:

- If a waypoint was added, “More Routes” cannot be selected.
- If a destination was added, the prior destination becomes a waypoint.

MOVING LOCATION OF DESTINATION

The location of the destination can be adjusted by moving the cross pointer across the map.



NRG0085

1. Set the destination using an appropriate method.
2. Select “Move Location”.

NRG0086

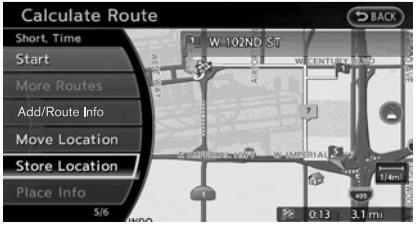
3. Adjust the location by moving the cross pointer across the map. The location of the destination is modified.

INFO:

- The screen for adjusting the location also changes by touching the map screen displayed on the right side of the screen.
- The map scale can be changed by pressing ZOOM IN or ZOOM OUT. The map scale can also be changed by touching the scale icon.
- Even if the map screen is touched, the same map screen as when “Move Location” is selected is displayed.

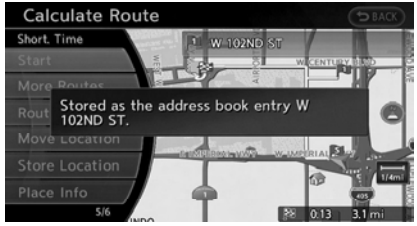
STORING LOCATION

A searched location can be stored in the Address Book. Then it can be easily retrieved and set as a destination (or waypoint).



NRG0087

1. Set the destination using an appropriate method.
2. Select “Store Location”.



NRG0088

3. The location is stored in the Address Book. The corresponding icon is displayed at the set location on the map.

VIEWING INFORMATION ABOUT SEARCHED LOCATION

Information (street address and phone number) about places stored in the map data can be displayed.

NRG0089

1. Set the destination using an appropriate method.
2. Select “Place Info”.

NRG0090

3. Information about the location is displayed.
4. Press BACK to return to the previous screen.

INFO:

- If “Call” is displayed on the right side of the screen, it is possible to call the location indicated.
- The Bluetooth system is required to be active and paired to the call location indicated.
- Information about locations is not displayed while driving.

After setting the route, select “Start” to begin route guidance.

Throughout route guidance, the system navigates through the guide points using visual and voice guidance.

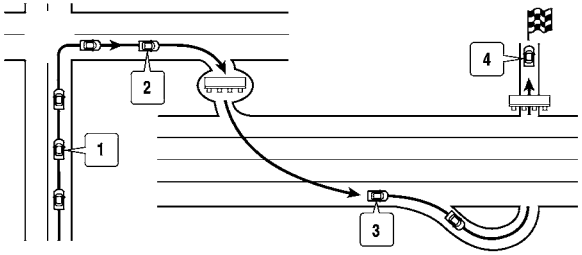
CAUTION

- **The navigation system’s visual and voice guidance is for reference purposes only. The contents of the guidance may be inappropriate depending on the situation.**
- **When driving along the suggested route, follow all traffic regulations (e.g., one-way traffic).**

“ROUTE GUIDANCE” (page 10-10)

VOICE GUIDANCE DURING ROUTE GUIDANCE

When approaching a guide point (intersection or corner), destination, etc. during route guidance, voice guidance announces the remaining distance and/or turning direction.



NAI0418

Examples of voice guidance

1 “In about one quarter mile (400 meters), right (left) turn.”

“Right (left) turn ahead.”

2 “In about one quarter mile (400 meters) freeway entrance on your right onto (road number and direction).”

“Freeway entrance on your right onto (road number and direction).”

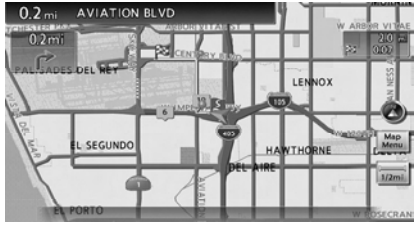
3 “In about one mile (1.6 kilometers), exit on your right.”

“Exit on your right.”

4 “You have arrived at your destination. Ending route guidance.”

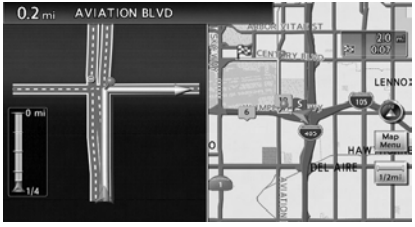
GUIDANCE SCREENS AND PREVIEW MODE

Route guidance displays map screens and various information according to the situation.



NRG0010

When route guidance starts, the Small Turn Arrow on Map is displayed in the upper left corner of the map screen. This arrow indicates the turning direction at the next guide point (corner or intersection). The distance is also displayed. At the top of the screen, the distance to the next guide point and the name of the next street to turn on to are displayed. Also, there may be cases that next street names are announced. The Small Turn Arrow on Map can be enabled or disabled by the user.



NRG0011

Enlarged intersection view

When approaching a guide point, the system automatically changes to the split screen and shows an enlarged view of the intersection in the left screen. After passing through the intersection, the system automatically returns to the full screen mode. To switch to the full screen mode while the enlarged intersection view is displayed, press MAP. Pressing MAP again displays the enlarged intersection view.

NRG0012

Junction guidance

While driving on a freeway, when the vehicle is approximately 1 mile (approximately 2 km) from a junction, the system automatically switches to the split screen and displays an enlarged view of the junction (3D) in the left screen. After passing the junction, the system automatically returns to the full screen mode. To switch to the full screen mode while the enlarged junction view is displayed, press MAP.

NRG0016

Turn list

Depending on the setting, the system can constantly display the split screen and show the turn list in the left screen. When approaching a guide point, the left screen automatically switches to an enlarged view of the intersection. To switch to the full screen mode, press MAP. Pressing MAP again displays the turn list. When approaching a guide point, the enlarged view of the intersection is automatically displayed. To display the turn list, press MAP. To display the map screen, press MAP again.

GUIDANCE SCREEN SETTINGS

The guidance screen can be displayed at all times even when the vehicle is located away from the guide point. The screen to be displayed can be set.

Split screen settings

The display setting on the left-hand side screen shown during route guidance can be changed.

NRG0014

1. Touch the “Map Menu” key while the current location map screen is displayed.
2. Select “Map View”.

LNV0582

3. Select “View Settings”.
4. Select the preferred screen. The indicator of the selected screen illuminates.

LNV0583

NRG0016

NRG0018

Intersection:

The map screen and the enlarged intersection view can be displayed at the same time.
Press MAP to switch to the full map screen.

Turn list:

The list screen for showing the guide points to the destination and the map screen can be displayed at the same time. An enlarged intersection view is automatically displayed when the vehicle approaches the guide point.

Touch the up or down arrow on the screen to scroll the list.

Press MAP to switch to the full map screen. Press MAP again to display the turn list. When approaching a guide point, the enlarged view of the intersection is automatically displayed. To display the turn list, press MAP. To display the map screen, press MAP again.

Full map:

The current location map is displayed. An enlarged intersection view is automatically displayed when the vehicle approaches the guide point.

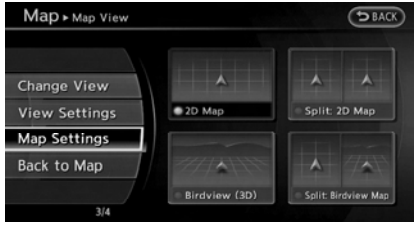
When an enlarged intersection view is displayed, pressing MAP returns to the map screen.

Show exit information on freeways

When the vehicle travels on a highway or a toll road, the display automatically provides a list of information on the left side of the screen.

NRG0072

1. Press ENTER while the current location map screen is displayed.
2. Select “Map View”.



NRG0073

3. Select “Map Settings”.

LNV0584

4. Select ″Show all Freeway Exits on Route″ or ″Show all Freeway Exits without Route″. The indicator illuminates when the item is set.

″Show all Freeway Exits on Route″: All freeway exits during a route are shown.
″Show all Freeway Exits without Route″: Place information for any freeway exit is shown by pressing the MAP button.

5. Press MAP to return to the current location map screen.

NRG0075

Exits display screen:

When the vehicle travels on a highway or a toll road, the display will provide a list of information related to the travel route, such as interchanges, service areas, rest areas, junctions, etc. An enlarged intersection view is automatically displayed when the vehicle approaches the guide point.

Press MAP to switch to the full map screen.

Press MAP again to display the turn list. When approaching a guide point, the enlarged view of the intersection is automatically displayed. To display the highway mode screen, press MAP.

To display the map screen, press MAP again.

Selecting a waypoint from the exit information list:

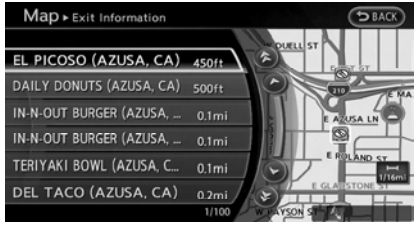
When ″Show all Freeway Exits on Route″ and ″Show all Freeway Exits without Route″ is set to ON, a waypoint to a facility located near the freeway exit can be set.

NRG0076

1. Select the exit where the exit information icon is displayed. The category list screen is displayed.

NRG0077

2. Select the landmark category. The list screen for showing facilities located near the freeway exit is displayed.



NRG0078

3. Select the preferred facility for the waypoint.

NRG0079

4. The waypoint is set, and the route search is performed.

☞ “PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

⚠ WARNING

- **Always stop the vehicle in a safe location before modifying the route conditions.**
- **Modifying the route conditions while driving may cause an accident.**

During route guidance, the route conditions can be modified and the route information can be confirmed. Set route conditions according to personal preference.

NRG0019

BASIC OPERATION

1. Press ROUTE.
2. Select the preferred setting item.
3. Press MAP to return to the current location map screen.

Available setting items

- “Cancel Route/Resume Route”:
  Cancel the current route guidance. A cancelled route can also be reactivated. If the suggested route is cancelled, ″Cancel Route″ changes to ″Resume Route″.
  “DELETING/REACTIVATING A ROUTE” (page 5-17)
- “Edit/Add to Route”:
  Edit or add to the route that is already set.
  “EDITING A ROUTE” (page 5-18)
- “Route Info”:
  Confirm the route by the route information or simulation. The confirmed route can also be stored.
  “CONFIRMING A ROUTE” (page 5-25)
- “Guidance Settings”:
  Activate or deactivate route, voice guidance and/or traffic announcement and adjust the volume level of voice guidance.
- “Recalculate”:
  Manually search for the route again after changing the search condition.
  “RECALCULATE ROUTE” (page 5-29)
- “Detour”:
  To detour from the suggested route, calculate a route detouring for a specified distance.
  “SETTING A DETOUR ROUTE” (page 5-31)

- “Traffic Detour”:
  Manually search for an alternative detour route taking the traffic information into consideration.
  “SEARCHING FOR A DETOUR ROUTE TAKING TRAFFIC INFORMATION INTO CONSIDERATION” (page 5-32)
- “Route Settings”:
  Change the route calculation conditions anywhere along the route.
  “SETTING CONDITIONS FOR THE ROUTE CALCULATION” (page 5-33)

DELETING/REACTIVATING A ROUTE

A route that is already set can be deleted at any time. If a route is deleted, the destination and waypoints are also deleted.

It is also possible to reactivate a deleted route.

NRG0019

Deleting a route

1. Press ROUTE.
2. Select “Cancel Route”.

NRG0020

3. A confirmation message is displayed. Select “Yes”.
   The route is deleted along with the destination and waypoints.

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command.
   To delete a route:
   “Cancel Route” (Alternate command mode)

NRG0021

Reactivating a route

1. Press ROUTE.
2. Select “Resume Route”.

NRG0022

3. A confirmation message is displayed. Select “Yes”. The deleted route is reactivated.

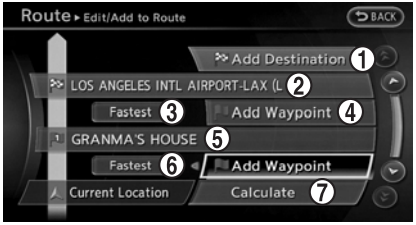
INFO:

If a new route is set, the deleted route cannot be reactivated.

NRG0023

EDITING A ROUTE

1. Press ROUTE.
2. Select “Edit/Add to Route”.
3. Select the preferred condition.
4. Press BACK to return to the previous screen. Press BACK to return to the current location map screen.



NRG0024

Available setting items

1 Add a destination.

"Setting a destination or waypoint" (page 5-18)

2 Current destination:
Change or delete the destination.

"Editing/deleting a destination or waypoint" (page 5-21)

3 Condition for calculating a route to the destination:
Change the conditions for calculating a route to the destination.

"Changing route calculation conditions" (page 5-24)

4 Add a waypoint.

"Setting a destination or waypoint" (page 5-18)

5 Current waypoint:
Change or delete the waypoint.

"Editing/deleting a destination or waypoint" (page 5-21)

6 Condition for calculating a route to a waypoint:
Change the conditions for calculating a route to a waypoint.

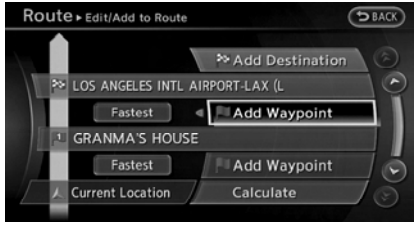
"Changing route calculation conditions" (page 5-24)

7 "Calculate":
Manually search for the route again after changing the search conditions.

"Changing route calculation conditions" (page 5-24)

Setting a destination or waypoint

Add a destination or waypoint to the route that is already set. A total of 6 destinations or waypoints can be set.



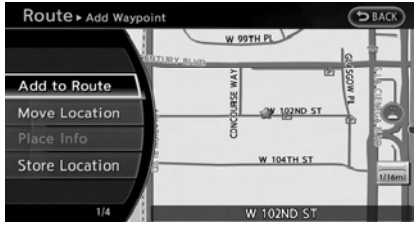
NRG0025

1. Press ROUTE.
2. Select "Edit/Add to Route".
3. Select "Add Destination" or "Add Waypoint".
   If "Add Destination" is selected, the current destination changes to a waypoint.

NRG0026

4. Set a destination or waypoint. The method of searching for a destination or waypoint is the same as the one for a destination.

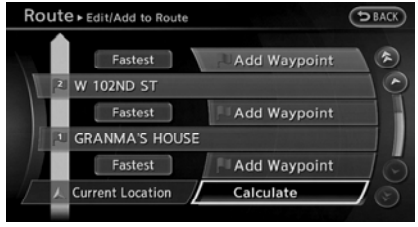
"4. Setting a destination"



NRG0027

5. The selected location is displayed at the center of the map. Select "Add to Route" after confirming the location.
   Even after setting a destination/waypoint, the destination/waypoint location can be adjusted, the route can be stored, etc.

"ADDING A DESTINATION OR WAYPOINT" (page 5-4)



NRG0028

6. Return to the Edit Route screen. Set the route conditions as necessary.
7. By selecting "Calculate" the system will recalculate the routes. After the route search is completed, the display will automatically return to the present location screen.

INFO:

- The prior route is automatically deleted.
- Added waypoints and search conditions will not be taken into consideration for the route calculation until "Calculate" is selected.

Editing/deleting a destination or waypoint

The destination or waypoint that is already set can be modified or deleted.

If a location is modified or deleted when a suggested route is already set, the prior suggested route will be recalculated accordingly.

NRG0033

1. Press ROUTE.
2. Select “Edit/Add to Route”.
3. Select a destination or waypoint that is already set.

NRG0029

4. Select “Move Dest.” to modify the location.

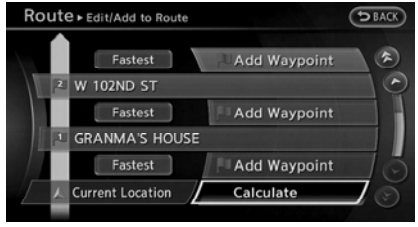
“MOVING LOCATION OF DESTINATION” (page 5-6)

NRG0030

5. Select “Delete” to delete the location.

NRG0031

6. A confirmation message is displayed. Confirm the contents of the message, highlight “Yes”. The destination or waypoint is deleted from the route. Return to the “Edit Route” screen.



NRG0032

7. By selecting “Calculate” the system will recalculate the routes. After the route search is completed, the display will automatically return to the present location screen.

INFO:

- If the destination is deleted, the final waypoint of the route becomes the destination.
- Even if the map screen is touched, the same map screen as when “Move Dest.” is selected is displayed.

Changing the order of a destination or waypoint

The order of a destination and waypoints that are already set can be changed.

NRG0034

1. Press ROUTE.
2. Select “Edit/Add to Route”.
3. Select a destination or waypoint that is already set.

NRG0035

4. Select “Change Order”. A list of the destination and waypoints is displayed.

NRG0036

5. Select a preferred destination or waypoint to replace the previously selected destination or waypoint.

NRG0037

6. A confirmation message is displayed and the order of the destination or waypoint is changed.

NRG0038

7. By selecting “Calculate” the system will re-calculate the routes. After the route search is completed, the display will automatically return to the present location screen.

Changing route calculation conditions

Each section of the route between waypoints can have different route calculation conditions.

After setting these conditions, the entire route can be recalculated.

NRG0039

1. Press ROUTE.
2. Select “Edit/Add to Route”.
3. Select the preferred section of the route to the destination or waypoint.

NRG0040

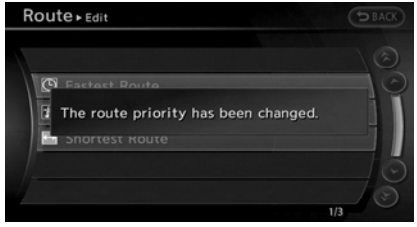
4. Select the preferred condition.

Available conditions:

: “Fastest Route”

: “Minimize Freeway”

: “Shortest Route”



NRG0041

5. The system automatically recalculates a route according to the conditions set. Return to the “Edit/Add to Route” screen.

NRG0042

6. By selecting “Calculate” the system will recalculate the routes. After the route search is completed, the display will automatically return to the present location screen.

INFO:

- The recalculated route may not be the shortest route because the system prioritizes easy-to-drive roads for safety reasons.
- If the route conditions are set from “Route Settings”, all sections in the route are subject to the same route conditions. This applies even if different route conditions are set for different sections in “Edit Route”.

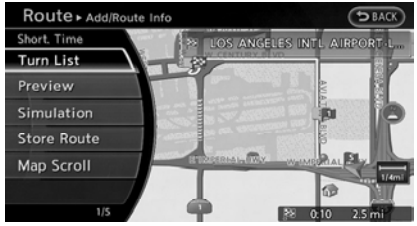
CONFIRMING A ROUTE

When the suggested route is displayed after calculation, the route information can be confirmed or the suggested route simulated.

NRG0043

Basic operation

1. Press ROUTE.
2. Select “Route Info”.



NRG0044

3. Select the preferred item.

Available items:

- “Turn List”:
  Displays the details of the suggested route.

  “Using turn list” (page 5-27)

- “Preview”:
  The system will trace the planned route going forward or in reverse.

  “Using route preview” (page 5-27)

- “Simulation”:
  Simulate the suggested route. This function provides a detailed image of the route with voice guidance.

  “Confirming by simulation” (page 5-27)

- “Store Route”:
  A calculated route can be stored. A maximum of 5 routes can be stored. Stored routes can be easily retrieved and set as the suggested route.

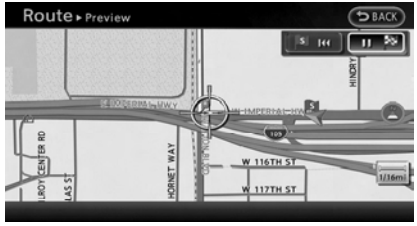
  “STORING A ROUTE” (page 6-7)

- “Map Scroll”:
  Displays a map screen where the location of the destination can be confirmed. Even if the map screen is touched, the same map screen as when “Map Scroll” is selected is displayed.

NRG0045

Using turn list

1. Select “Turn List”.
2. The information (e.g., intersections) can be confirmed on the route to the destination by scrolling the screen using the up and down arrow keys.
3. Press MAP to return to the current location map screen.



NRG0046

Using route preview

1. Select “Preview”.
2. Select the preferred key

Moves forward in the direction of the destination.

Moves backward in the direction of the starting point.

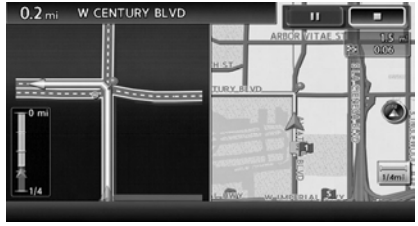
/ Pauses the route preview.

3. Press MAP to return to the current location map screen.

INFO:

During route preview, the map scale can be changed by pressing ZOOM IN or ZOOM OUT. While the map scale is being changed, the route preview is temporarily stopped.

Confirming by simulation



NRG0047

1. Select “Simulation”.
2. Select the preferred key

: Pauses the simulation.

: Resumes the simulation.

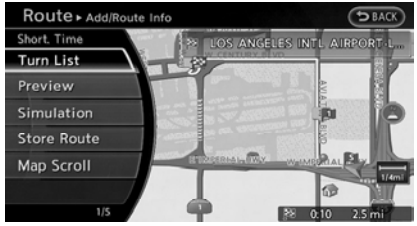
: Ends the simulation.

3. Press MAP to return to the current location map screen.

INFO:

During simulation, the map scale can be changed by pressing ZOOM IN or ZOOM OUT. While the map scale is being changed, the simulation is temporarily stopped.

NRG0081



NRG0044

NRG0048

GUIDANCE SETTINGS

Various guidance settings can be set.

Basic operation

1. Press SETTING.
2. Select “Navigation”.
3. Select “Guidance Settings”.
4. Select the preferred item.

Available setting items

- “Guidance Voice”:
  Activates or deactivates voice guidance. The indicator illuminates if voice guidance is activated.
- “Guidance Volume”:
  Adjust the volume level of voice guidance.
- “Traffic Announcement”:
  Provides the announcement of the traffic information event on the route.

Voice command

1. Press located on the steering wheel switch.

2. After the tone sounds, speak a command. To delete a route:
   “Voice Guidance On/Off” (Alternate command mode)

RECALCULATE ROUTE

The route can be searched for again manually after changing the search condition. When the vehicle deviates from the suggested route, the route from the current location to the destination is automatically searched again.

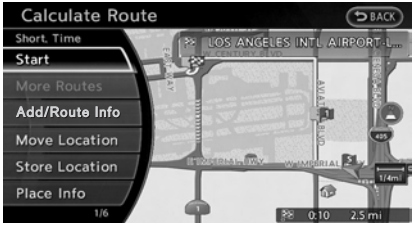
NRG0049

Re-searching the route manually

1. Press ROUTE.
2. Select “Recalculate”.

NRG0050

3. A message is displayed, and the route is recalculated.



NRG0051

4. Set the route conditions. After finishing the setting, select “Start”.

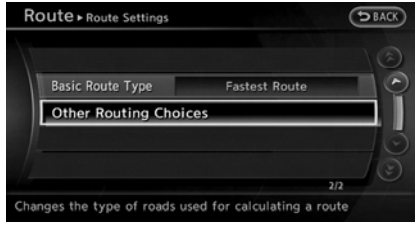
“PROCEDURES AFTER SETTING A DESTINATION” (page 5-2)

- When a waypoint has been set on the route, the system will search for only one route even if route recalculation is performed.
- When a waypoint has already been set, “More Routes” cannot be selected.

NRG0052

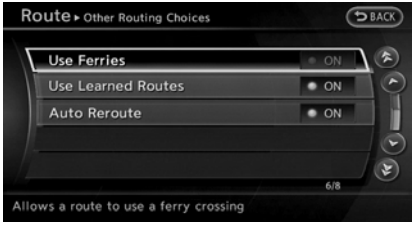
Setting the Auto Reroute

1. Press ROUTE.
2. Select “Route Settings”.



NRG0053

3. Select “Other Routing Choices”.



NRG0054

4. Select “Auto Reroute”. The indicator for the selected condition illuminates. When the current location map screen or route setting screen is displayed, the system recalculates a route with the set conditions.

“SETTING CONDITIONS FOR THE ROUTE CALCULATION” (page 5-33)

SETTING A DETOUR ROUTE

To detour from the suggested route, a route detouring for a specified distance can be calculated.

NRG0055

1. Press ROUTE.
2. Select “Detour”.

NRG0056

3. Select a detour distance.

After calculating the detour, the system displays the detour route on the map.

INFO:

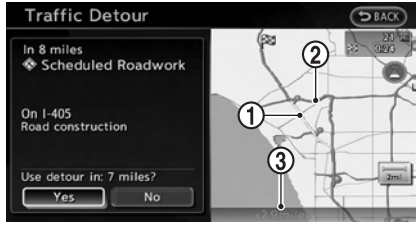
- When the vehicle has deviated from the suggested route, “Detour” cannot be selected.
- If the system cannot calculate a detour with the specified conditions, it displays the previous suggested route.
- If the vehicle is traveling very fast, the detour route may start from a location that the vehicle has already passed.

SEARCHING FOR A DETOUR ROUTE TAKING TRAFFIC INFORMATION INTO CONSIDERATION

When a serious traffic event occurs on the route, or if the system finds a faster route, a detour alert will pop up automatically. If the automatic alert is missed, a detour can also be searched for manually.

NRG0057

1. Press ROUTE.
2. Select “Traffic Detour”.



NRG0058

3. When the detour search is successful, detailed information about the detour route (left screen) and the comparison screen of the two routes (right screen) are displayed.
   - 1 Original route (yellow)
   - 2 Detour route (pink)
   - 3 The change of distance and estimated travel time to destination when the detour route is taken.
4. To accept the suggested detour route, select “Yes”.

INFO:

- If no route is set, or “Use Real Time Traffic Information” is turned off, this function cannot be operated.
- If no detour route is selected and no further action is provided, the detour route will be automatically cancelled.
- The detour suggestion may be retrieved even after the message disappears by manually selecting “Traffic Detour”. The system will then search for the detour again and suggest a detour if one is available at that time.
- Without a subscription to an XM NavTraffic® broadcast, it will not be possible to get a traffic detour or apply settings for traffic information related functions. A message appears when a related menu item is selected.
- See “NOTES ON XM NavTraffic® INFORMATION” for further information.

Automatic detour guidance

When ″Auto Reroute″ and ″Use Real Time Traffic Information″ are turned on, a message will automatically pop up when the system finds a detour.

NRG0059

1. If a traffic jam or a serious traffic problem occurs on the route while driving along the suggested route, the automatic detour route search starts and a message pops up if a detour is found.
2. To accept the suggested detour route, select “Yes”.

INFO:

- If no operation is performed for one minute after the message is displayed, the message disappears. The detour will not be accepted, and the current suggested route will remain unchanged.
- When the “Traffic Announcement” is turned on, the system will announce voice guidance at the same time that the message appears on the screen.

SETTING CONDITIONS FOR THE ROUTE CALCULATION

Search condition settings

The route can be recalculated after changing the route calculation conditions anywhere along the route.

NRG0061

Basic operation:

1. Press ROUTE.
2. Select “Route Settings”.
3. Select “Basic Route Type”.
4. Select the preferred condition. The indicator for the selected condition illuminates.
5. When the conditions are set, the system starts calculating the route with the new conditions, and the current location map screen is displayed.

Available conditions:

- “Fastest Route”:
  Prioritizes by the fastest time.
- “Minimize Freeway”:
  Minimizes the use of motorways.
- “Shortest Route”:
  Prioritizes by the shortest route.

INFO:

Only one of these conditions can be utilized at a time.

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To set conditions for the route calculation (Alternate command mode):
   “Fastest Route”
   “Minimize Freeway Route”
   “Shortest Route”

Detailed route settings

Detailed conditions can be set for the route calculation.

NRG0062

Basic operation:

1. Press ROUTE.
2. Select “Route Settings”.
3. Select “Other Routing Choices”.
4. Select the preferred condition. The indicator for the selected condition illuminates.
5. If “Route Settings” is exited after changing the settings, the system starts calculating the route with the new conditions.

Available setting items:

- “Minimize Toll Roads”:
  Minimizes the use of toll roads.
- “Use Time Restricted Roads”:
  Uses any roads subject to time restrictions.

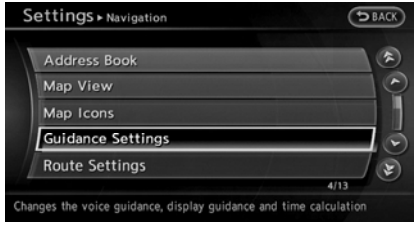
- “Use Statistical Traffic Information”:
  Uses statistical traffic information that is stored in the map data.
- “Use Real Time Traffic Information”:
  Uses the latest traffic information received via the XM® broadcast.
- “Use Avoid Area Settings”:
  Enables the avoid area setting.
- “Use Ferries”:
  Includes the use of ferries.
- “Use Learned Routes”:
  Uses the roads that are most frequently traveled with the help of self-learning technology.
- “Auto Reroute”:
  If the vehicle deviates from the suggested route, the system automatically recalculates a route that leads the vehicle to the suggested route.

INFO:

- The recalculated route may not be the shortest route because the system prioritizes easy-to-drive roads for safety reasons.
- If route conditions are set from ″Route Settings″, all sections in the route are subject to the same route conditions even though different route conditions are set for different sections in ″Edit/Add to Route″.
- If ″Use Time Restricted Roads″ is deactivated, the system calculates a route without any consideration of the regulations concerning the time or day of the week. Therefore, the suggested route may include a road subject to traffic regulations concerning the time or day of the week. When driving along the route, always follow all traffic regulations regardless of whether ″Use Time Restricted Roads″ is ON or OFF.
- If the system cannot calculate any alternative routes, it displays the previous route.
- If the vehicle overly deviates from the suggested route, the system calculates a new route.
- Statistical traffic information is based on previous traffic data. When the traffic situation rapidly changes due to unexpected accidents, construction work, traffic restrictions, emergencies, etc., the prediction accuracy of the system may be reduced.
- Traffic jam information displayed on the map screen is not statistical traffic information.
- When ″Use Statistical Traffic Information″ is turned on, the system may lead to a road where a traffic jam occurs or to a detour even though the shortest route does not have a traffic jam.
- Even when ″Use Real Time Traffic Information″ is turned on, if traffic information has not been provided for the area, sometimes it is possible that a detour will not be indicated in a location where a traffic jam occurs.
- The system may not lead to a detour if traffic closure or a traffic jam occurs far from the present location.
- The system calculates to reduce the time required for the entire route from the start to destination. If there are no appropriate routes, the system may lead to a route where a traffic jam occurs instead of leading to a detour.
- This system can learn and memorize the route that is most frequently used. However, despite driving on the same route several times so that the system can learn the route, the system may have difficulty learning the route under the following conditions:
  – ″Use Time Restricted Road″ is turned on.
  – ″Use Real Time Traffic Info″ is turned on.

ROUTE GUIDANCE SETTINGS

Various guidance information can be set to be played during route guidance and activate or deactivate route and/or voice guidance.



NRG0063

NRG0082

BASIC OPERATION

1. Press ROUTE.
2. Select “Guidance Settings”.
3. Select the preferred item.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

Available setting items

- “Guidance Volume”:
  Adjusts the volume level of voice guidance.

  “GUIDANCE SETTINGS” (page 5-28)

- “Guidance Voice”:
  Activates or deactivates voice guidance. The indicator illuminates if voice guidance is activated.

  “GUIDANCE SETTINGS” (page 5-28)

- “Traffic Announcement”:
  Provides an announcement of a traffic information event on the route.

  “GUIDANCE SETTINGS” (page 5-28)

- “Voice Guidance Settings”:
  Sets advanced settings for the voice guidance announced at guide points.

  “ROUTE GUIDANCE SETTINGS” (page 5-36)

- “Guidance Display Settings”:
  Activates or deactivates small turn arrow display on the map.

  “DISPLAYING SMALL TURN ARROW ON MAP” (page 5-38)

- “Estimated Time”:
  Switches the display of estimated travel time to the destination or waypoint that is displayed on the map screen.

  “SWITCHING ESTIMATED ARRIVAL TIME DISPLAY” (page 5-39)

- “Others”:
  - “Set Average Speeds”:
    Set an average vehicle speed for each type of road, which is reflected in the calculation of the required time to the destination.

    “SET AVERAGE SPEEDS” (page 5-40)

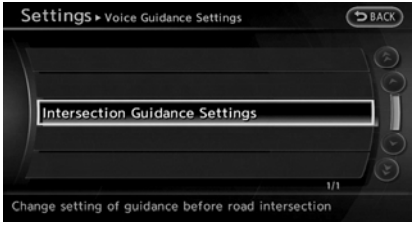
  - “Auto Reroute”:
    If the vehicle deviates from the suggested route, the system automatically recalculates a route.

    “Setting the auto reroute” (page 5-30)

NRG0067

SETTING VOICE GUIDANCE AT INTERSECTIONS

1. Press SETTING.
2. Select “Navigation”.
3. Select “Guidance Settings”.
4. Select “Voice Guidance Settings”.



NRG0083

5. Select “Intersection Guidance Settings”.
6. Select the preferred item.

Available setting items

- “Voice Announcements”:
  Sets how many times the voice guidance is announced before the vehicle reaches an intersection.

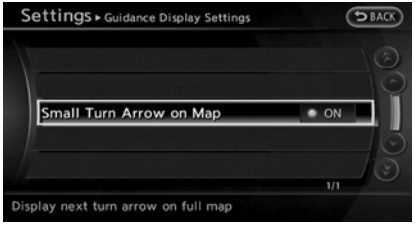
1. Select “Voice Announcements”.
2. Select the preferred item.
   – “Full”:
   The system announces three kinds of voice guidance: “Turning Point”, “1 Guide” and “2 Guide”.
   – “Concise”:
   The system announces two kinds of voice guidance: “Turning Point” and “1 Guide”.
   – “Turning Point”:
   Turns on the sound that chimes when a maneuver is supposed to be occurring.

DISPLAYING SMALL TURN ARROW ON MAP

The guidance screen displayed when the vehicle passes through an intersection can be changed.

NRG0065

1. Press SETTING.
2. Select “Navigation”.
3. Select “Guidance Settings”.
4. Select “Guidance Display Settings”.



NRG0066

5. Select “Small Turn Arrow on Map to activate or deactivate Small Turn Arrow on the Map (simplified turn indicator) displayed in the upper left corner of the map screen. The indicator illuminates if the Small Turn Arrow on the Map is displayed.

SWITCHING ESTIMATED ARRIVAL TIME DISPLAY

The display of the travel time on the map screen can be switched between the travel time to the destination and the travel time to the waypoint.

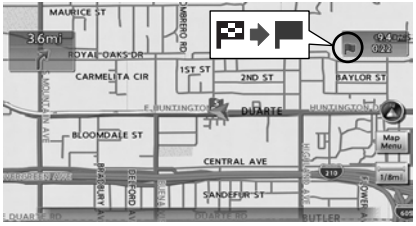
NRG0068

Example: Switching the display to the travel time to the waypoint

1. Press SETTING.
2. Select “Navigation”.
3. Select “Guidance Settings”.
4. Select “Estimated Time”.

NRG0069

5. Select “Waypoint”. The indicator for the selected condition illuminates.
6. Press MAP to return to the current location map screen.



NRG0070

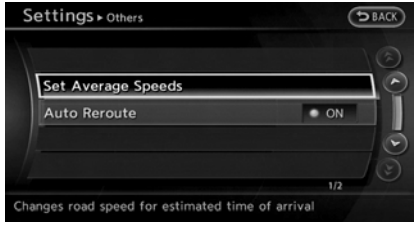
7. The icon displayed on the map screen is switched, and the travel time to the waypoint is displayed.
   Displayed icon

   : Display of the travel time to the destination

   : Display of the travel time to the waypoint

SET AVERAGE SPEEDS

The required time to the destination can be calculated based on the set vehicle speeds.



NRG0071

Basic operation

1. Press SETTING.
2. Select “Navigation”.
3. Select “Guidance Settings”.
4. Select “Others”.
5. Select “Set Average Speeds”.
6. Select the preferred item.
7. Use the on-screen keys to make an adjustment. The speed can be increased/decreased by 5 MPH (5 km/h).
8. After finishing the setting, press ENTER or BACK to activate the setting.
9. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

NRG0084

Available setting items:

- “Auto”:
  If set to ON, the system automatically calculates the required time to the destination, the indicator illuminates and the speed settings cannot be changed.
- “Freeway”:
  Adjust the average vehicle speed on a freeway by touching [+] or [−].
- “Main Road”:
  Adjust the average vehicle speed on a main road by touching [+] or [−].
- “Town Road”:
  Adjust the average vehicle speed on a town road by touching [+] or [−].

- “Residential”:
  Adjust the average vehicle speed in a residential area by touching [+] or [−].
- “Reset”:
  Sets the average vehicle speeds to the default values.

MEMO

6 Storing a location/route

Storing a location 6-2
Storing a location by searching 6-2
Storing the current vehicle location 6-5
Storing a location by moving the map 6-6
Storing a route 6-7
Other settings 6-8
Storing a tracked route 6-9
Other settings 6-10
Storing an avoid area 6-11
Editing the address book 6-13
Basic operation 6-14
Editing the stored home and address 6-14
Minor adjustment of the home or stored address 6-15
Editing the stored route 6-23
Editing the stored tracking 6-24
Editing the avoid area 6-26
Deleting a stored item 6-29
Deleting a stored item individually 6-29
Deleting an individual item on the map 6-32
Deleting all stored items 6-33
Transferring information to/from the address book 6-35

STORING A LOCATION

Often visited locations can be stored in the Address Book. The stored addresses can be easily retrieved to set them as a destination or waypoint.

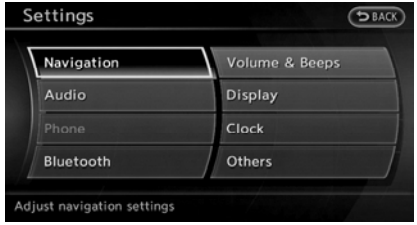
INFO:

- The Address Book can store up to 300 locations.
- New information placed in the same storage position will overwrite the old data.

STORING A LOCATION BY SEARCHING

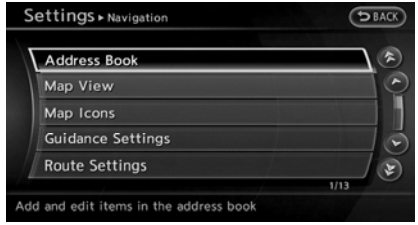
After a location is searched for once, it can be stored for future use.

1. Press SETTING.



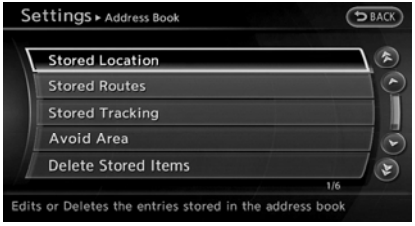
NST0001

2. Select “Navigation”.



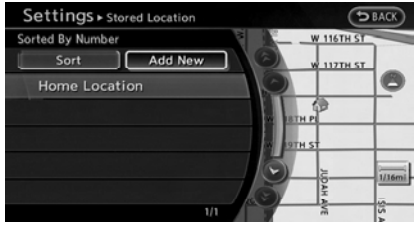
NST0002

3. Select “Address Book”.



NST0003

4. Select “Stored Location”.



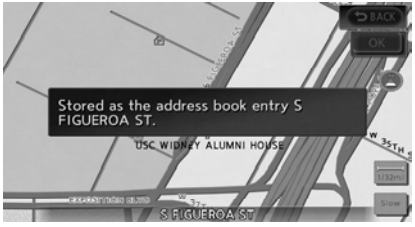
NST0004

5. Select “Home Location (None)” or “Add New”.

NST0005

6. Select the appropriate method to search for a location.

“4. Setting a destination”



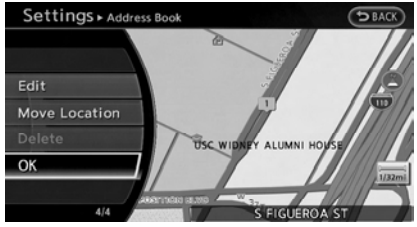
NST0006

7. When a preferred location is displayed at the center of the map, confirm the address of the location.
   A message is displayed, and the address of the location is stored in the Address Book.

INFO:

- When the location is stored in the Address Book, ″Address Book″ can be used to search for the location.
- A location can be adjusted by selecting ″Move Location″ using the same method as the one for a destination.

“MOVING LOCATION OF DESTINATION” (page 5-6)

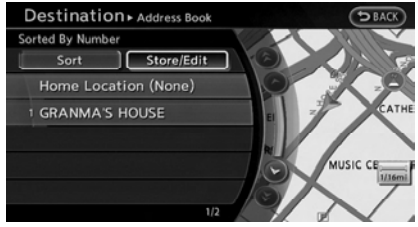


NST0007

8. Adjust the location of the stored item and edit the contents of the stored item as necessary. After finishing the setting, select ″OK″.

Other settings

An address can also be stored using the following procedure.



NST0008

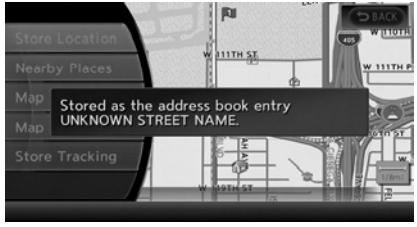
1. Press DEST.
2. Select “Address Book”.
3. Select “Store/Edit”.
4. Select “Add New”.
5. Select the appropriate method to search for a location. The address of the searched location is stored.

“4. Setting a destination”

NST0009

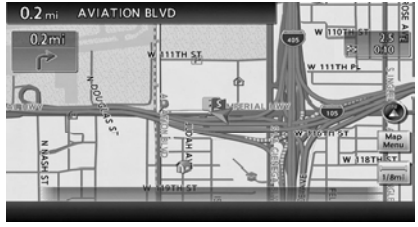
STORING THE CURRENT VEHICLE LOCATION

1. Press MAP to display the current location map screen.
2. Select “Map Menu”.



NST0010

3. Select “Stored Location”. A message is displayed, and the current vehicle location is stored in the Address Book.



NST0011

4. The icon representing the stored location is displayed on the map.
   Press MAP or BACK to return to the current location map screen.

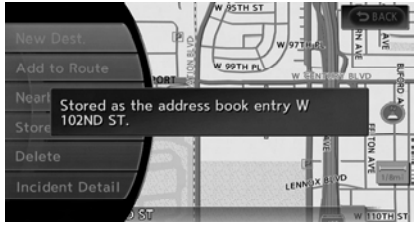
INFO:

The location is stored in the first available position number in the Address Book list.

NST0012

STORING A LOCATION BY MOVING THE MAP

1. Move to the preferred location on the map.
2. Select “Map Menu”.



NST0013

3. Select “Store Location”. A message is displayed, and the address of the location is stored in the Address Book.

NST0014

4. The icon representing the stored location is displayed on the map. Press MAP to return to the current location map screen.

INFO:

The address is stored in the first available position number in the Address Book list.

STORING A ROUTE

A calculated route can be stored.

A maximum of 5 routes can be stored.

Stored routes can be easily retrieved and set as the suggested route.

INFO:

Stored route includes only locations (destination and waypoints) and route calculation conditions, not the route itself.

1. Press ROUTE.

NRG0043

2. Select “Route Info”.

NST0016

3. Select “Store Route”.

NST0017

4. A confirmation message is displayed. Confirm the contents of the message, highlight “Yes”.
   The current route is stored.

OTHER SETTINGS

A route can also be stored using the following procedure.

NST0018

1. Press SETTING.
2. Select “Navigation”.
3. Select “Address Book”.
4. Select “Stored Routes”.
5. Select “Store Current Route”.
6. A confirmation message is displayed. Confirm the contents of the message, highlight “Yes”. The current route is stored.

INFO:

- The route is stored in the first available position number in the store current route list.
- A maximum of 5 routes can be stored. When 5 routes are stored in the Address Book, a new route cannot be stored until a route is deleted.

  “DELETING A STORED ITEM” (page 6-29)
- If any waypoints are not set on the route, the route cannot be stored.

STORING A TRACKED ROUTE

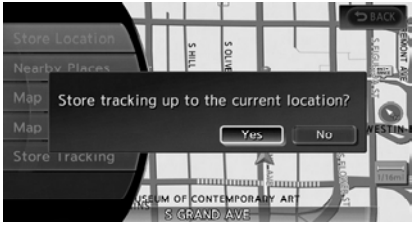
A travelled route up to the current location can be stored. A maximum of 5 tracked routes can be stored.

NST0086

1. Press MAP to display the current location map screen.
2. Select “Map Menu”.

NST0019

3. Select “Store Tracking”.



NST0020

4. A confirmation message is displayed. Confirm the contents of the message, highlight “Yes”. The tracked route you have traveled is stored.
5. Press MAP or BACK to return to the current location map screen.

INFO:

- A maximum of 5 tracked routes can be stored. When 5 tracked routes are stored in the Address Book, a new tracked route cannot be stored until a tracked route is deleted.

  “DELETING A STORED ITEM” (page 6-29)

- The tracked route is stored in the first available position number in the store tracking list.

OTHER SETTINGS

A tracked route can also be stored using the following procedure.

NST0023

1. Press SETTING.
2. Select “Navigation”.
3. Select “Address Book”.
4. Select “Stored Tracking”.
5. Select “Add New”.

INFO:

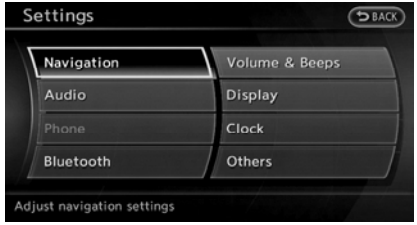
A tracked route can only be stored using the setting screen when “Current Tracking” is set to on.

STORING AN AVOID AREA

An Avoid Area can be stored.

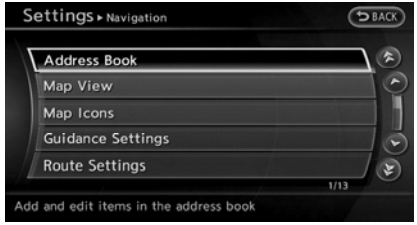
The Avoid Area is an area that can be excluded from a route, such as a road that is always congested. Once Avoid Areas are stored, the system avoids those areas when calculating a route. Up to 10 Avoid Areas can be stored.

1. Press SETTING.



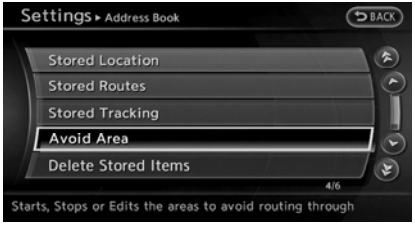
NST0001

2. Select “Navigation”.



NST0002

3. Select “Address Book”.



NST0021

4. Select “Avoid Area”.

NST0022

5. Select “Add New”.

INFO:

A maximum of 10 Avoid Areas can be stored.

When 10 Avoid Areas are already stored, a new Avoid Area cannot be stored until a currently stored Avoid Area is deleted.

“DELETING A STORED ITEM” (page 6-29)

NST0087

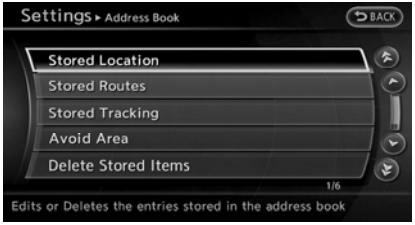
6. Select the appropriate method to search for a location.

“4. Setting a destination”

NST0024

7. Set the following items for the searched location.
   Available setting items:
   - “Rename”:
     Changes the name.
     “Rename” (page 6-26)
   - “Move Location”:
     Adjusts the location of the Avoid Area.
     “Move Location” (page 6-27)
   - “Resize Area”:
     Adjusts the range of the Avoid Area.
     “Resize Area” (page 6-27)
   - “FWY”:
     Avoids Freeways.
     “FWY” (page 6-27)
   - “Delete”:
     Deletes the avoid area.
     “Delete” (page 6-28)
8. After finishing the setting, select “OK”.

Items stored in the Address Book can be modified. These settings can be edited to make the navigation system more useful.



NST0025

BASIC OPERATION

1. Press SETTING.
2. Select “Navigation”.
3. Select “Address Book”.
4. Select the preferred item.

Available setting items

- “Stored Location”:

  Edits the information of a stored home and Address.

  “EDITING THE STORED HOME AND ADDRESS” (page 6-14)

- “Stored Routes”:

  Edits the information of a stored route.

  “EDITING THE STORED ROUTE” (page 6-23)

- “Stored Tracking”:

  Edits the information of a stored tracked route.

  “EDITING THE STORED TRACKING” (page 6-24)

- “Avoid Area”:

  Edits the information of a stored Avoid Area.

  “EDITING THE AVOID AREA” (page 6-26)

- “Delete Stored Items”:

  Deletes a stored location or route.

  “DELETING ALL STORED ITEMS” (page 6-33)

- “Transfer Address Book”:

  Imports or exports the data of the stored items using a USB memory.

NST0026

EDITING THE STORED HOME AND ADDRESS

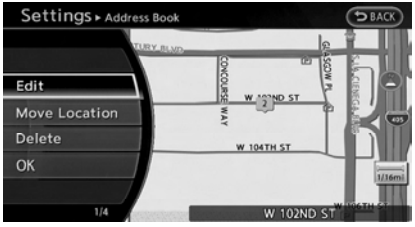
1. Select “Stored Location”.
2. Select the stored home location or preferred stored address.

INFO:

Selecting “Sort” displays a list of various sort functions.

To use the sort functions, stored locations must be set in advance.

“MINOR ADJUSTMENT OF THE HOME OR STORED ADDRESS” (page 6-15)



NST0027

3. Select the preferred item.

Available setting items

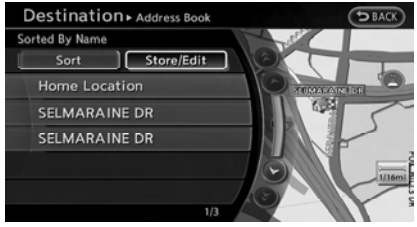
- “Edit”:

  Edits the stored address information.
- “Move Location”:

  Adjusts the location of the stored address.
- “Delete”:

  Deletes the stored address.
- “OK”:

  Applies the settings.



NST0028

Other settings

A stored address can also be edited using the following procedure.

1. Press DEST.
2. Select “Address Book”.
3. Select “Store/Edit”.

☞ “4. Setting a destination”

MINOR ADJUSTMENT OF THE HOME OR STORED ADDRESS

When “Edit” is selected, the following items of the home or stored location can be edited.

- “Show Icon on Map”:
- “Name” (only for stored locations):
- “Voicetag” (only for stored locations):
- “Icon”:
- “Sound”:
- “Direction”:
- “Distance”:
- “Phone No.”:
- “Group” (only for stored locations):
- “Entry Numbers” (only for stored locations):

Show icon on map

Displays the home icon or the stored address icon on the map.

NST0029

1. Select “Edit”.
2. Select “Show Icon on Map”.
3. The indicator illuminates when the item is set. Then the system displays the icon on the map.

Name (only for stored locations)

Changes the name of a stored location.

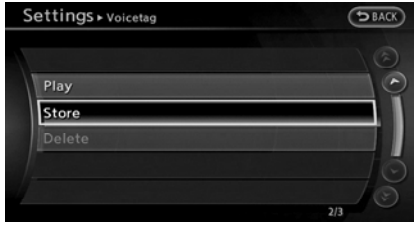
NST0030

1. Select “Edit”.
2. Select “Name”. A character input screen is displayed.

NST0031

3. Enter the preferred name for the stored location.
4. Select “OK”. The name is stored.

NST0032



NST0033

NST0034

Voicetag (only for stored locations)

1. Select “Voicetag”
2. Select “Store”.
3. A beep sounds, and the system enters the voice command reception mode.
4. Speak the name/word to be used as Voicetag.
5. The Voicetag is stored, provided the system recognizes it.

INFO:

- A Voicetag cannot be stored, overwritten or played while driving.
- The Address Book can store up to 100 Voicetags.
- Select ″Play″ to confirm the stored Voicetag.
- Select ″Delete″ to delete a stored Voicetag.

If a Voicetag is already stored, select ″Restore″ to re-record the Voicetag.

Icon

Changes the icon of the home or stored address to the preferred one. By changing the icons, the usage of the ″By Icon″ option of the sort function can be optimized more effectively (″Sort″ menu situation).

NST0035

1. Select “Icon”.

   A list of icons is displayed.

NST0036

2. Select the preferred icon.
3. The icon is changed.

Sound

Sets the tone of the alarm that sounds when the vehicle approaches the home or a stored address.

NST0037

1. Select “Sound”.
   A sound list is displayed.

NST0038

2. Select the preferred alarm tone.
   The indicator of the selected alarm tone illuminates.

Sound list:

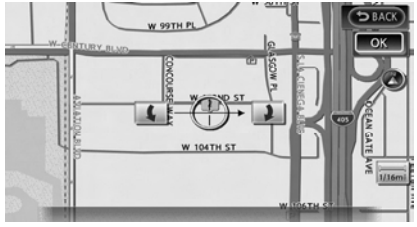
None
Chime
Melody
Sound
Dog
Cat
Wave
Church bell
Music box 1
Music box 2
Marimba
Trumpet
Horn
Scratch

Direction

Sets the alarm to sound when approaching from a specific direction.

NST0039

1. Select “Direction”.
   A map screen with the home or stored location located on the map center is displayed.



NST0040

2. Set the direction that sounds the alarm.
   The selected direction is set.

INFO:

After the direction is set and ″Direction″ is selected and set again, a confirmation message is displayed. Confirm the contents of the message, highlight ″Yes”. The set direction is overwritten.

Distance

Sets the alarm to sound when reaching a specific distance to the home or stored address.

NST0041

1. Select “Distance”.

NST0042

2. Select the preferred distance option. The indicator of the selected distance illuminates.

Available distance options:

- 150 feet (50 m)
- 300 feet (100 m)
- 1000 feet (300 m)
- 1500 feet (500 m)

INFO:

Once the direction and the distance to sound an alarm are set, the system will sound the alarm when the vehicle enters the triggering zone.

Phone No.

Stores the telephone number of the home or a stored location.

NST0043

1. Select “Edit”.
2. Select “Phone No.”.
   The telephone number entry screen is displayed.

NST0044

3. Enter the telephone number of the home or stored location.
   “NUMBER INPUT SCREEN” (page 2-12)
4. Select “OK”. The telephone number is stored.

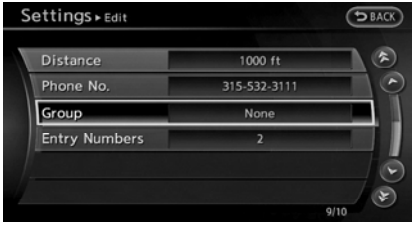
INFO:

If the phone number of the home or a location is stored, the phone number can be used to search for the destination even if it is not included in the map data.

Group (only for stored locations)

This groups the stored locations.

By grouping the stored locations, the ″By Group″ option of the sort function can be used more effectively in the ″Sort Entries″ mode.



NST0045

1. Select “Group”.

NST0046

2. Select the preferred group.

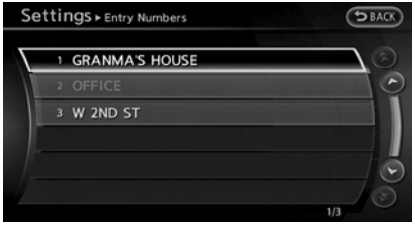
   When the indicator of the selected group illuminates, the stored location is classified into the applicable group.

Entry number (only for stored locations)

Index the position numbers of any two stored locations in the list.

NST0047

1. Select “Entry Number”.
   A list of stored locations is displayed.



NST0048

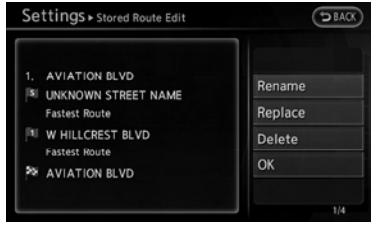
2. Select the stored addresses that you want to change.

   The position numbers of the selected stored locations are changed.

NST0049

EDITING THE STORED ROUTE

1. Select “Stored Routes”.
2. Select the preferred stored route.



LNV0588

3. Select the preferred item to edit from the list on the right side of the screen.
4. After finishing the editing, select “OK”.

INFO:

If “Store Current Route” is selected, the system stores the current route.

Available setting items:

“CHARACTER (letters and numbers) INPUT SCREEN” (page 2-10)

- “Replace”:

  Overwrites the stored route to the current route.
- “Delete”:

  Deletes the stored route.
- “OK”:

  Applies the settings.

NST0051

NST0052

NST0053

EDITING THE STORED TRACKING

1. Select “Stored Tracking”.
2. Select the stored tracked route. When the “ON” indicator is not illuminated, touch the key on the screen. The indicator illuminates, and the Edit screen is displayed. If the key is touched while the “ON” indicator is illuminated, the indicator turns off.
3. Select the preferred item.

Available setting items (Current tracking):

- “View Track”:

  Displays the tracked route up to the current location.
- “Delete”:

  Deletes the stored current tracking.
- “OK”:

  Applies the settings.

Available setting items (Stored tracked routes):

- “View Track”:

  Displays a stored tracked route on the map.
- “Rename”:

  Changes the name.

  “CHARACTER (letters and numbers) INPUT SCREEN” (page 2-10)
- “Replace”:

  Overwrites the stored tracked route to the current tracked route.
- “Delete”:

  Deletes the stored tracked route.
- “OK”:

  Applies the settings.

Displaying a tracked route

The stored tracked route can be displayed on the map as necessary.

NST0054

1. Select “Stored Tracking”.
2. Select the tracked route to display on the map screen. The “ON” indicator illuminates, and the Edit screen is displayed.

NST0055

3. After confirming the location to display the tracked route, select “OK”. The screen returns to the previous screen.
4. Press MAP to return to the current location map screen.

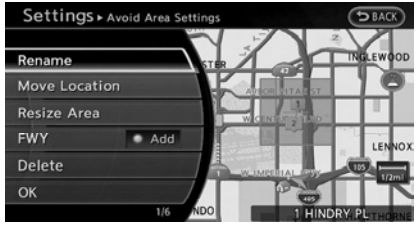
INFO:

- Current tracking is displayed up to 6 miles (10 km).
- Stored tracking is displayed up to 12 miles (20 km).

NST0057

EDITING THE AVOID AREA

1. Select “Avoid Area”.
2. Select the preferred avoid area.



NST0058

3. Select the preferred items.

   Available setting items:

   - “Rename”:

   Changes the name.

   - “Move Location”:

   Adjusts the location of the Avoid Area.

   - “Resize Area”:

   Adjusts the range of the Avoid Area.

   - “FWY”:

   Avoids freeways.

   - “Delete”:

   Deletes the Avoid Area.

   - “OK”:

   Applies the settings.

4. After finishing the setting, select “OK”.

INFO:

An Avoid Area can be added by selecting “Add New”.

“STORING AN AVOID AREA” (page 6-11)

Rename

Changes the name of an Avoid Area.

NST0059

1. Select “Rename”. A character input screen is displayed.
2. Enter the preferred name for the avoid area.
3. Select “OK”. The name is stored.

Move location

Adjusts the location of the Avoid Area.

NST0060

1. Select “Move Location”.
2. Adjust the location of the Avoid Area.
3. After adjusting the location, touch “OK”.

Resize area

Adjusts the range of the Avoid Area.

NST0061

1. Select “Resize Area”.
2. Select the range from 5 available levels.

INFO:

Select “ZOOM IN” or “ZOOM OUT” to change the scale of the map.

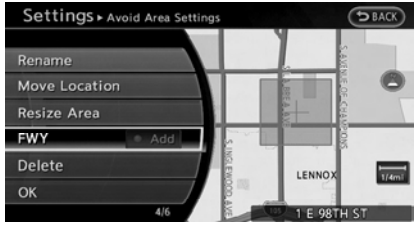
FWY

Sets the route to avoid freeways.

NST0062

1. Select “FWY”.

   To include freeways in the Avoid Area, touch the key on the screen to illuminate this indicator.



NST0063

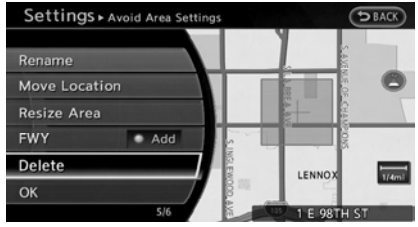
2. The Avoid Area is displayed in green if it includes a freeway or in blue if it does not include a freeway.

INFO:

If the current vehicle location is set to an Avoid Area, the system will not provide route guidance.

Delete

Deletes the Avoid Area.



NST0064

1. Select “Delete”.

DELETING A STORED ITEM

NST0065

2. A confirmation message is displayed. Confirm the contents of the message, select “Yes”. The stored item is deleted from the Address Book.

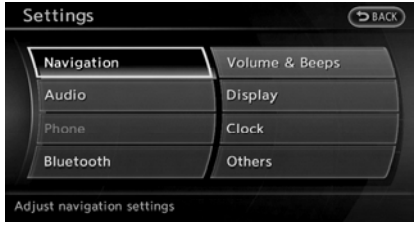
The locations and routes in the Address Book can be deleted. Two deletion methods are available: deleting an individual item and deleting all stored items.

NOTE:

Deleted items cannot be restored. Before deleting an item, always make sure that the item is truly not necessary.

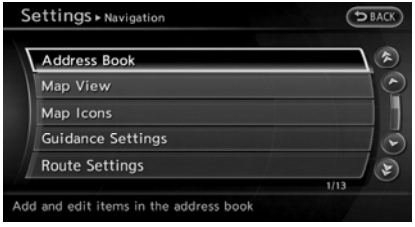
DELETING A STORED ITEM INDIVIDUALLY

You can delete stored addresses, routes, tracking and avoid areas individually.



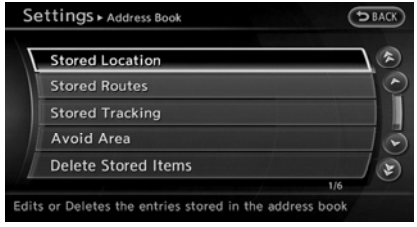
NST0066

1. Press SETTING.
2. Select “Navigation”.



NST0067

3. Select “Address Book”.



NST0068

Example: “Stored Location” is selected.

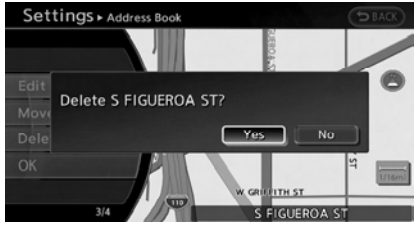
4. Select the preferred item for deletion.

NST0069

5. Select the preferred location/route for deletion.

NST0070

6. Select “Delete”.



NST0071

7. A confirmation message is displayed. Confirm the contents of the message, highlight “Yes”. The stored item is deleted from the Address Book.

Other settings

A stored address can also be deleted using the following procedure.

NST0072

1. Press DEST.
2. Select “Address Book”.
3. Select “Store/Edit”.
4. Select “Edit or Delete an Entry”.
5. Select a preferred address.

“4. Setting a destination”

INFO:

This procedure applies only for deleting a stored home or address. A stored route, tracking or avoid area cannot be deleted using this procedure.

DELETING AN INDIVIDUAL ITEM ON THE MAP

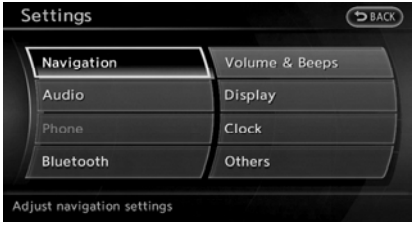
1. Align the cross pointer over the preferred stored location for deletion by moving on the map.
2. Select “Map Menu”.

NST0073

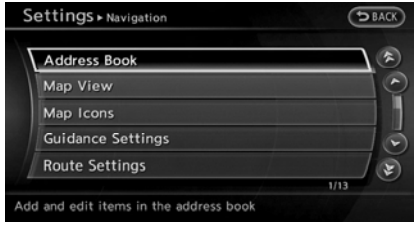
3. Select “Delete”.

NST0074

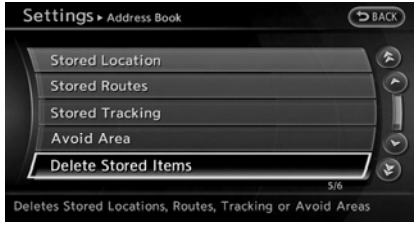
4. A confirmation message is displayed. Confirm the contents of the message, select “Yes”.
   The stored item is deleted from the Address Book.



NST0075



NST0076



NST0077

DELETING ALL STORED ITEMS

1. Press SETTING.
2. Select “Navigation”.
3. Select “Address Book”.
4. Select “Delete Stored Items”.

NST0078

5. Select the preferred item for deletion.

Items that can be deleted

- “Delete Home Location”:
  Deletes the home location.
- “Delete Address Book”:
  Deletes all stored locations.
- “Delete Stored Routes”:
  Deletes all stored routes.
- “Delete Current Tracking”:
  Deletes the current tracked route.
- “Delete Stored Tracking”:
  Deletes all stored tracked routes.
- “Delete Avoid Areas”:
  Deletes all stored Avoid Areas.
- “Delete Stored Voicetags”:
  Deletes all stored voicetags.
- “Delete Previous Destinations”:
  Deletes all or one of the previous destinations.
- “Delete Previous Start Point”:
  Deletes all previous start points.
- “Delete Learned Route”:
  Deletes all system learned routes.

NST0079

6. A confirmation message is displayed. Confirm the contents of the message; select “Yes”. The stored items are deleted from the Address Book.

Other settings

All stored addresses can also be deleted using the following procedure.

TRANSFERRING INFORMATION TO/FROM THE ADDRESS BOOK

NST0080

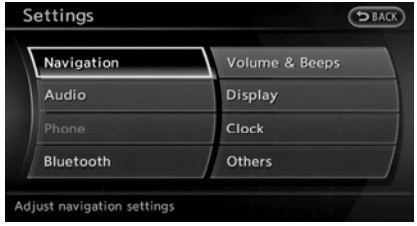
1. Press DEST.
2. Select “Address Book”.
3. Select “Store/Edit”.
4. Select “Delete All Addressbook Entries”.

“4. Setting a destination”

INFO:

This procedure applies only for deleting a stored home or address. A stored route, tracking or avoid area cannot be deleted using this procedure.

The information of the stored home and addresses can be exported and imported using a USB memory.



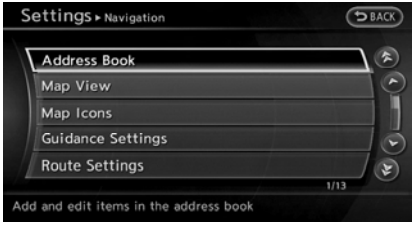
NST0075

1. Insert a USB memory device into the vehicle’s USB port and press SETTING.

INFO:

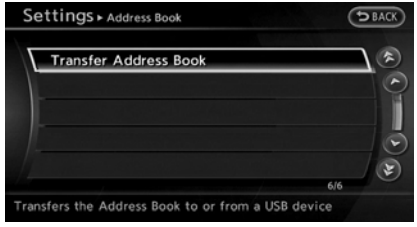
Refer to the vehicle Owner’s Manual for the location of the USB connector.

2. Select “Navigation”.



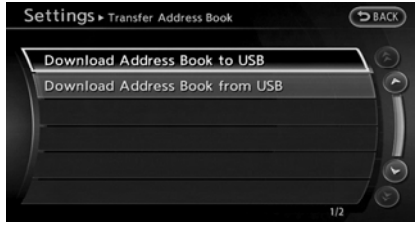
NST0076

3. Select “Address Book”.



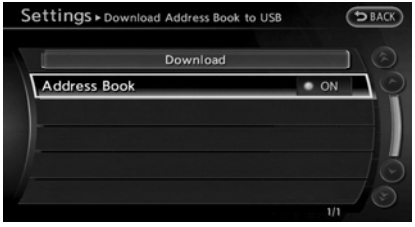
NST0081

4. Select “Transfer Address Book”.



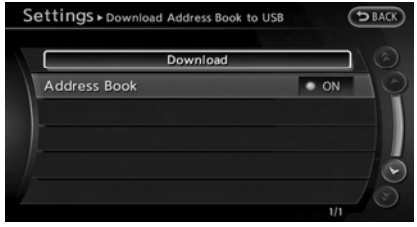
NST0082

5. Select “Download Address Book to USB” or “Download Address Book from USB”.



NST0083

6. Select a stored item. The “ON” indicator illuminates.



NST0084

7. Select “Download”.

INFO:

- **Do not remove the USB memory until the system completely imports or exports the data.**

Settings ▸ Download Address Book to USB
BACK
The USB device already contains downloaded information. Do you want to replace the existing download?
Yes
No
1/1

NST0085

INFO:

If the USB memory already has the data for a stored address, a confirmation message is displayed. Once overwritten, the original data cannot be recovered.

MEMO

7 Viewing technical information

Information screen 7-2
Basic operation 7-2
Viewing information about current vehicle location 7-3
Basic operation 7-3
Viewing available traffic information 7-4
Basic operation 7-5
Info on route 7-5
Nearby traffic info. 7-6
Display urgent traffic information 7-7
Traffic information on map 7-8
Traffic information settings 7-10
Viewing available weather information 7-11
Displaying weather information screen 7-12
Destination weather on suggested route screen 7-22
Automatically display warning/watches 7-22
Map update 7-24
Viewing navigation system version information 7-25
Basic operation 7-25
Viewing GPS current location information 7-26
Basic operation 7-26

INFORMATION SCREEN

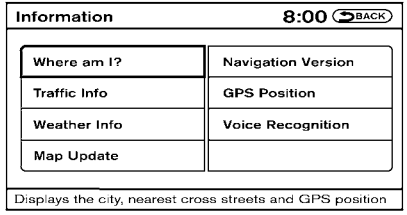
This screen sets or displays various information that is helpful for using the vehicle safely and comfortably.

Available items include the vehicle information, Traffic Info. setup, current location information, GPS information, Voice recognition list and map version.

INFO:

An XM NavTraffic® subscription is necessary to view Traffic Info.

An XM NavWeather™ subscription is necessary to view Weather Info.



LNV2009

BASIC OPERATION

1. Press INFO.
2. Select the preferred item.

Available items

- "Where am I?":

  Displays information regarding the current vehicle location.

  "VIEWING INFORMATION ABOUT CURRENT VEHICLE LOCATION" (page 7-3)

- "Traffic Info":

  Allows Traffic Info setup.

  "VIEWING AVAILABLE TRAFFIC INFORMATION" (page 7-4)

- "Weather Info":

  Displays weather information.

  "VIEWING AVAILABLE WEATHER INFORMATION" (page 7-11)

- "Map Update":

  Display the map version and enable updating of the map data.

  "MAP UPDATE" (page 7-24)

- "Navigation Version":

  Displays the current navigation system version.

  "VIEWING NAVIGATION SYSTEM VERSION INFORMATION" (page 7-25)

- "GPS Position":

  Displays GPS information regarding the current vehicle location.

  "VIEWING GPS CURRENT LOCATION INFORMATION" (page 7-26)

- "Voice Recognition":

  Displays the voice recognition list.

  "9. Voice recognition"

VIEWING INFORMATION ABOUT CURRENT VEHICLE LOCATION

INFO:

The displayed items vary depending on the options that are equipped on the vehicle.

This displays the information about the vehicle location on the route when driving according to route guidance.

LNV0933

BASIC OPERATION

1. Press INFO.
2. Select “Where am I?”.
3. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

VIEWING AVAILABLE TRAFFIC INFORMATION

NIN0054

Contents of vehicle location information

1 Next Street:

Displays the next street on the route.

2 Current Street:

Displays the current street on the route.

3 Previous Street:

Displays the previous street on the route.

4 Displays the distance to the next intersection on the route.

5 Displays the distance traveled from the previous intersection on the route.

XM NavTraffic® information is a subscription service offered by XM® Satellite Radio.

This service provides real-time information regarding traffic flow, accidents, road construction and other incidents, where available.

XM NavTraffic® combines information from commercial and public traffic data providers including government departments of transportation, police, emergency services, road sensors, cameras and aircraft reports. The traffic information is broadcast to the vehicle by the XM® satellites. Available traffic information on the route the driver selected is shown on the navigation screen so traffic conditions between you and the destination are known. Three types of real-time traffic information for major roadways are shown on the navigation system:

- Unscheduled traffic data for example, accidents and disabled vehicles.
- Scheduled traffic data, for example road construction and road closures.
- Traffic flow information (rate of speed data).

⚠ WARNING

XM NavTraffic® information is not a substitute for attentive driving. Traffic conditions change constantly and emergency situations can arise without warning. Relying only on XM NavTraffic® information may lead to a collision and could result in serious personal injury.

NOTE:

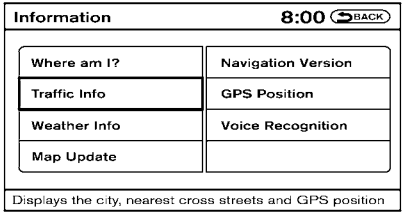
Flow information is provided only for roads equipped with traffic sensors and is not available in all markets covered by the service. Flow data may not be available on portions of a road that is under construction.

XM NavTraffic® information is available in limited markets. To subscribe or to check if this service is available in the area:

call 1-800-XM-RADIO (1-800-967-2346) or see www.xmradio.com/navtraffic

INFO:

If a contract is not completed for XM NavTraffic® traffic information service, a message appears, and it will not be possible to check the information on the traffic information system.



LNV2010

BASIC OPERATION

1. Press INFO.
2. Select “Traffic Info”.
3. Press BACK to return to the previous screen.

   Press MAP to return to the current location map screen.

Available items

- “Info on Route”:

  Displays the list of traffic information found on the recommended route from the current vehicle location to the destination.

- “Nearby Traffic Info”:

  Displays the list of traffic information around the current vehicle location.

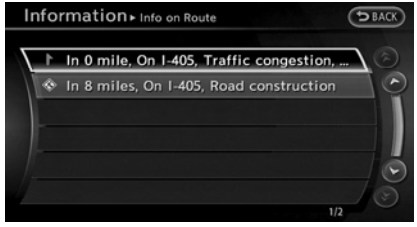
INFO ON ROUTE

This is only available when a route is set.

The list of traffic information found on the recommended route from the current vehicle location to the destination is displayed. The detailed information about displayed events can also be checked.

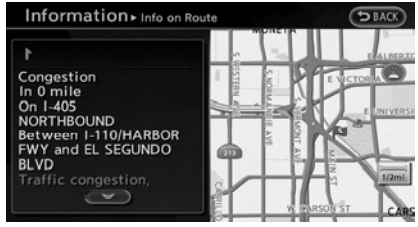
NIN0012

1. Select “Info. on Route”. A list screen is displayed.



NIN0013

2. Select the event to check the detailed information.



NIN0014

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed.

   The message can be scrolled using the up/down button of the steering wheel switch.

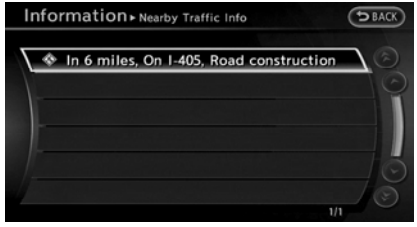
4. Press BACK to return to the previous screen.

NEARBY TRAFFIC INFO.

The list of available traffic information around the current vehicle location is displayed.

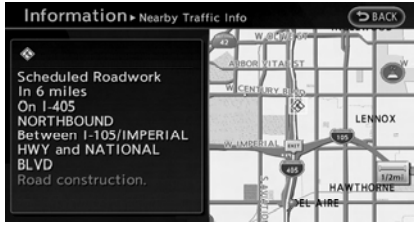
NIN0003

1. Select “Nearby Traffic Info”. A list screen is displayed.



NIN0004

2. Select the event to check the detailed information.



NIN0005

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed. The message can be scrolled using the up/down button of the steering wheel switch.
4. Press BACK to return to the previous screen.

DISPLAY URGENT TRAFFIC INFORMATION

When an urgent event is found around the current vehicle location, a message pops up automatically with a voice announcement.

NIN0036

The message includes the icon, event type, event information and the direct distance from the current location to the event.

INFO:

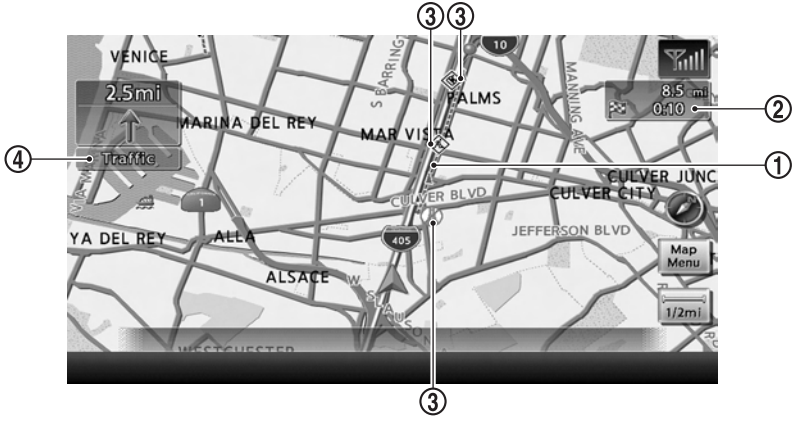
- Urgent traffic information is displayed regardless of whether the traffic information system is on or off.
- When there are multiple urgent events, the event with the shortest direct distance from the current location is displayed.
- If the urgent event is on the recommended route, and if a detour is found, the detour route notification screen is displayed when the vehicle approaches the detour point.

TRAFFIC INFORMATION ON MAP

With subscription to XM NavTraffic® service, traffic information is displayed on both Plan View and Birdview™ map screen.

See “Notes on Traffic Information” for further information.

“NOTES ON XM NavTraffic® INFORMATION” (page 10-14)



NIN0006

Screen information

1 Road conditions

Free Flow: Green arrow

Moderate traffic: Yellow arrow

Heavy traffic: Red arrow

Section affected by serious traffic event:

Purple dashed arrow

2 Estimated travel time to destination calculated with consideration of traffic information on route.

3 Traffic information icon:

If the route is not already set, all of the traffic information icons on the map screen are displayed in color. When the route is already set, the icons on the route are displayed in color, and the icons outside the route are displayed in gray.

: Accident

: Closed road

: Information

: Road work

: Slippery road

: Weather

: Incident

4 Traffic indicator:

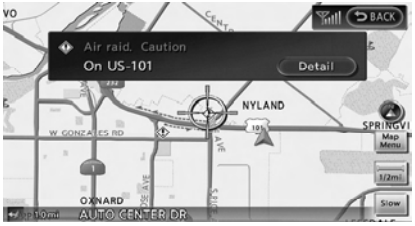
Displays the reception condition of traffic information transmitted from the provider. Green: Reception condition is good. Gray: Reception condition is not good. No mark: Subscription to XM NavTraffic® service is not detected.

Traffic information display and scale levels

2D map and Birdview™ Map
320 miles (640 km)
80 miles (160 km)
32 miles (64 km)
8 miles (16 km)

INFO:

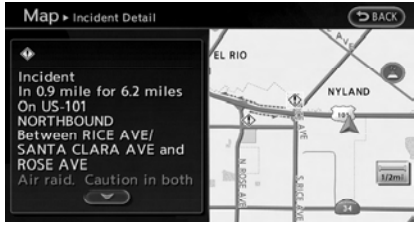
The traffic information icons are not displayed on the map screen when the map scale is set to the building footprint graphics (2D map) or the 3D building graphics (Birdview™ map).



NIN0007

Checking detailed information for the traffic information icons on the map

1. Place the cross pointer over the traffic information icon. The general description of the icon is displayed.
2. Touch “Detail”. The screen for showing the detailed information for the traffic information icon is displayed.



NIN0009

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed. You can scroll the message by using the up/down button of the steering wheel switch.
4. Press MAP to return to the current location map screen.

TRAFFIC INFORMATION SETTINGS

This displays or changes the settings for the traffic information related functions.

NIN0037

1. Press SETTING.
2. Select “Navigation”.
3. Select “Traffic Info Settings”.

NIN0038

4. Select the preferred setting. The indicator for the selected setting illuminates.

Available setting items

- Use Traffic Info.:

  Enables all traffic information related functions.

- Show Incidents on Map:

  Displays the traffic incidents (e.g., accident) on the map screen.

- Show Traffic Flow on Map:

  Displays the traffic flow with an arrow on the map screen.

- Blink Red Traffic Flow:

  Blinks the red traffic flow lines that represent congestions.

- Traffic Announcements:

  Announces the traffic information event on the route.

INFO:

- Even when “Show Traffic Flow On Map” and “Show Incidents on Map” are set to off, the list display of “Info On Route” and “Nearby Traffic Info” will not be affected.
- Even when “Traffic Announcements” is set to off, the route guidance will not be affected. Also, the announcement of emergency information and weather information will not be turned off.

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command. To turn on or off the traffic information system: “Information” “Traffic Information” (Standard mode)

   “Traffic Information” (Alternate command mode)

VIEWING AVAILABLE WEATHER INFORMATION

XM NavWeather™ information is a subscription service offered by XM® Satellite Radio.

This service provides real-time information regarding current weather, temperature, warnings, road conditions and forecasts where available. The weather information is broadcast to the vehicle by the XM® satellites.

The service enables you to view the following information on the navigation system.

*Current weather information icon of the destination on the screen of suggested route

*Detailed weather information and forecasts of an area of interest

*Countrywide and local maps with the current weather, temperature, warnings and road condition information

*List of warning/watches events detected around the current location

*Pop-up messages on the navigation screen with voice announcements when warnings and watches are detected around the current location

⚠ WARNING

XM NavWeather™ information is not a substitute for attentive driving. Weather conditions change constantly and emergency situations can arise without warning. Relying only on XM NavWeather™ information could result in serious personal injury.

XM NavWeather™ information is available in limited markets. To subscribe to or check if this service is available in the area, call 1-800-XMRADIO (1-800-967-2346) or access www.xmradio.com/navweather.

INFO:

- If a contract is not completed for the XM NavWeather™ information service, a message appears and it will not be possible to check the information on the traffic information system.
- The weather information is available only for areas that provide weather information to XM NavWeather™.

LNV0591

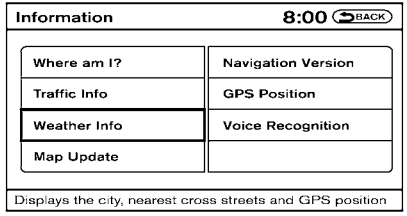
INFO:

The reception condition of the XM® weather information transmitted from the provider can be confirmed using the “Weather” indicator on the upper right side of the screen.

Green: The reception condition is good.

Gray: The reception condition is not good.

No mark: A subscription to the XM NavWeather™ service is not detected.



LNV2011

DISPLAYING WEATHER INFORMATION SCREEN

Basic operation

1. Press INFO.
2. Select “Weather Info”.
3. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

Available items:

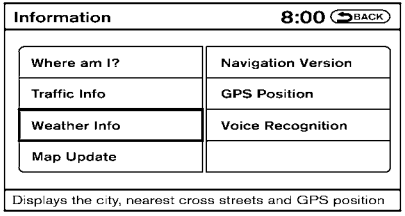
- Current Weather and Forecasts:
  Displays current weather information and three-day forecasts.
- Warnings and Watches History:
  Displays a list of warnings and watches recently detected around the current location.

- Weather Map:
  Displays the current weather map for the preferred area.
- Temperature Map:
  Displays the current temperature map for the preferred area.
- Warnings Map:
  Displays the current watches/warnings map for the preferred area.
- Road Condition Map:
  Displays the current road condition map for the preferred area.

Selecting a city

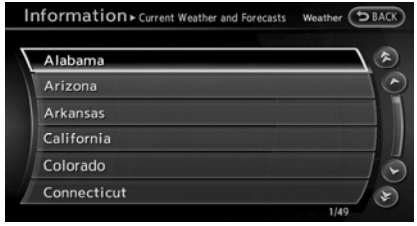
When displaying various weather information screens by selecting INFO, the range can be specified for the weather information from among the current location (local), destination, countrywide (nation) or a specified city.

The city can be specified by selecting one from the list that is displayed.



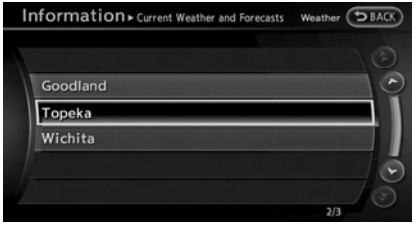
LNV2011

1. Press INFO.
2. Select “Weather Info”.
3. Select the preferred information.
4. Select “Select Other City from Menu”.



NIN0039

5. Select the preferred state from the list.



NIN0040

6. Select the preferred city from the list.

INFO:

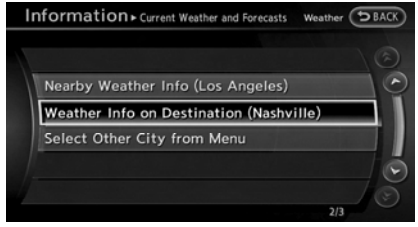
“Select Other City from Menu” is not available while driving.

Current weather and forecasts

The current weather information and a three-day forecast for the current location, the destination or the preferred city.

NIN0018

1. Select “Current Weather and Forecasts”.



NIN0019

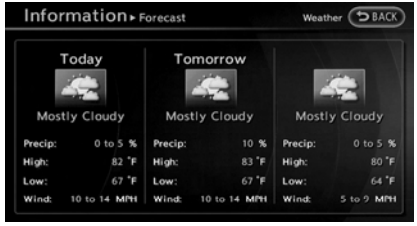
2. Select the preferred area.

INFO:

- “Weather Info on Destination” is not available unless a destination is set for the route guidance.
- When a destination is not set, nearby weather information is displayed.

NIN0020

3. A weather information screen is displayed. Select “Forecast”.



NIN0021

4. The forecast screen is displayed. A three-day forecast can be confirmed for the preferred area.
5. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command.

   To display the list for weather information:

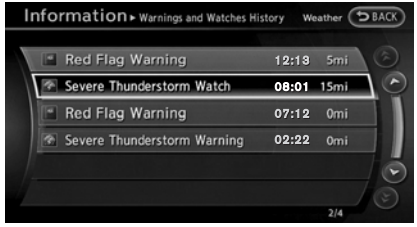
   “Weather Information” (Alternate command mode)

Warnings and watches history

A list can be displayed for the warning/watch events detected around the current location. The detailed information of each event can also be displayed.

NIN0022

1. Select “Warnings and Watches History”. A list warning/watch events around the current location is displayed.



NIN0023

2. Select the event to check the detailed information.

NIN0024

3. A screen with detailed information of the event is displayed.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

Weather map

The current weather map can be confirmed for the current location, the destination, the entire country or the preferred city.

NIN0030

1. Select “Weather Map”.

NIN0031

2. Select the preferred map area.

INFO:

“Destination Map” is not available unless a destination is set for the route guidance.

NIN0032

3. A weather map is displayed. The weather and precipitation level are shown by colors.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

NIN0025

NIN0041

NIN0042

INFO:

Touch “Legend” to display the map legend.

Voice command

1. Press located on the steering wheel switch.
2. After the tone sounds, speak a command.

   To display the list for weather information:

   “Weather Map” (Alternate command mode)

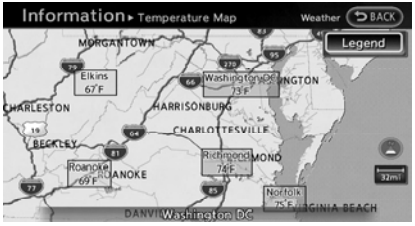
Temperature map

The current temperature map can be confirmed for the current location, the destination, the entire country or the preferred city.

1. Select “Temperature Map”.
2. Select the preferred map area.

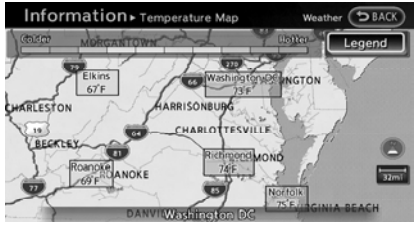
INFO:

- “Destination Map” is not available unless a destination is set for the route guidance.
- When a destination is not set, a nearby weather map is displayed.



NIN0043

3. A temperature map is displayed. The temperature information is shown by numbers and colors.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.



NIN0044

INFO:

Touch “Legend” to display the map legend.

Warnings map

The current warning/watch information can be confirmed for the current location, the destination, the entire country or the preferred city.

NIN0045

1. Select “Warnings Map”.

NIN0046

2. Select the preferred map area.

INFO:

"Destination Map" is not available unless a destination is set for the route guidance.

NIN0047

3. A warning/watch map is displayed. Warning and watch information is shown by colors.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

NIN0048

INFO:

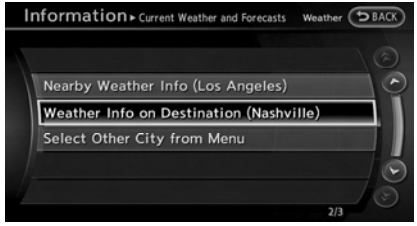
Touch "Legend" to display the map legend.

Road condition map

The current road condition can be confirmed for the current location, the destination, the entire country or the preferred city.

NIN0018

1. Select “Road Condition Map”.

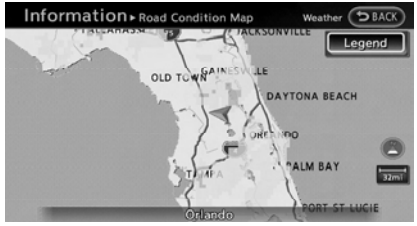


NIN0019

2. Select the preferred map area.

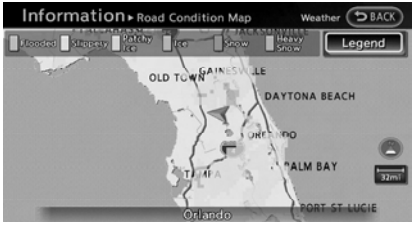
INFO:

“Destination Map” is not available unless a destination is set for the route guidance.



NIN0051

3. A road condition map is displayed. The road conditions are shown by colors.
4. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.



NIN0052

INFO:

Touch “Legend” to display the map legend.

NIN0016

DESTINATION WEATHER ON SUGGESTED ROUTE SCREEN

On the screen of the suggested route after setting a destination, the current weather information around the destination is displayed via icons.

Weather information icons

Clear Mostly Clear	
Partly Cloudy	
Mostly Cloudy	
Cloudy	
Haze	
Fog	
Rain, Light Rain	
Hail Heavy Rain	
Freezing Rain/Ice	
Snow Heavy Snow	
Dust/Sand Smoke/Ash	
Thunderstorm	
Tornado/Funnel Cloud	

AUTOMATICALLY DISPLAY WARNING/WATCHES

When an urgent warning/watch is detected around the current vehicle location, a message pops up automatically with a voice announcement.

NIN0033

The message includes the weather icon and text describing the event.

INFO:

- The pop-up messages and announcements can be set to on or off.
- If multiple warning/watch events are detected, they will be displayed in order starting with the one having the shortest linear distance from the vehicle.

Weather information settings

The settings can be confirmed and changed for the urgent weather information related functions.

NIN0053

1. Press SETTING.
2. Select “Navigation”.
3. Select “Weather Info Settings”.
4. Select the preferred setting. The indicator for the setting illuminates.

Available setting items:

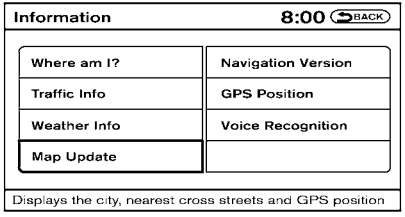
- Display an Alert for Weather Warnings:
  Displays a message screen automatically when the system detects urgent warning information.
- Display an Alert for Weather Watches:
  Displays a message screen automatically when the system detects urgent watch information.
- Voice Announcements:
  Provides urgent information announcements for warnings and watches around the current location.

Types of warnings/watches

Category	Warnings/Watches
Tornado	Tornado Watch, Tornado
Hurricane	Inland Hurricane Wind, Hurricane Force Wind, Hurricane, Typhoon
Storm	Severe Thunderstorm Watch, Severe Thunderstorm, Storm, Tropical Storm, Inland Tropical Storm, Dust Storm
Flood	Flood Watch, Flash Flood, Coastal Flood, Lakeshore Flood, High Surf, Flood
Winter	Winter Watch, Heavy Snow, Heavy Sleet, Lake Effect Snow, Freeze, Heavy Freezing Spray, Blizzard, Ice Storm, Winter Storm
Wind	Wind Watch, High Wind, Wind Chill, Gale
Extremes	Excessive Heat
Other	Red Flag, Tsunami, Avalanche, Special Marine, Earthquake, Law Enforcement, Hazardous Materials, Nuclear Power Plant, Radiological Hazard, Civil Danger, Fire, Shelter in Place, Volcano, Other Watches, Other Warnings

INFO:

- The “Other Watches” category in the “Other” category includes Inland Hurricane Watch, Hurricane Watch, Typhoon Watch, Tropical Storm Watch, Inland Tropical Storm Watch and Fire Weather Watch.
- The “Other Warnings” category in the “Other” category includes Dense Fog Warning, Freezing Fog Warning, Extreme Cold Warning, Frost Warning, Hydrologic Warning, Ashfall Warning, Air Stagnation Warning, Low Water Warning, Ice Accretion Warning, Dense Smoke Warning, Dense Smoke Advisory, Freezing Fog Advisory, Dense Fog Advisory, Ashfall Advisory and Air Stagnation Advisory.



LNV2012

1. Press INFO.
2. Select “Map Update”.
3. Insert the DVD containing the new map data.

NIN0011

4. Select “DVD Update”.

INFO:

- Refer to the vehicle Owner’s Manual for the location of the DVD slot.
- Do not eject the DVD while updating the map data. Doing so will result in an incomplete update.
- To order updated DVD-ROMs or additional DVD-ROMs, visit www.navigation.com.

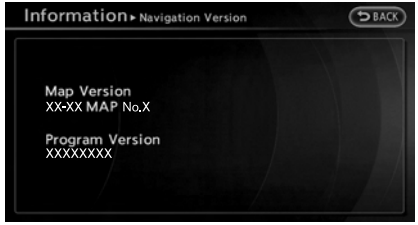
NOTE:

In handling the DVD-ROM, be careful on the following points.

- Do not try to bend the DVD-ROM. Do not use any disk that is bent or cracked.
- Do not use any benzine, thinner, or antistatic spray on them.

- Do not put on any sticker or write anything on either surface.
- If you need to clean it, do so with a soft cloth by wiping from the centre outward.
- Do not use a DVD Laser Lens Cleaners as they may cause the DVD player to malfunction.

VIEWING NAVIGATION SYSTEM VERSION INFORMATION



NIN0034

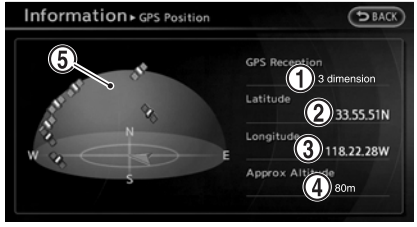
This displays the map version information.

BASIC OPERATION

1. Press INFO.
2. Select “Navigation Version”.
3. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

VIEWING GPS CURRENT LOCATION INFORMATION

This displays GPS information, such as the positioning status, latitude/longitude, altitude and satellite locations.



NIN0035

BASIC OPERATION

1. Press INFO.
2. Select “GPS Position”.
3. Press BACK to return to the previous screen. Press MAP to return to the current location map screen.

Contents of GPS information

1 GPS Reception:

Displays the GPS positioning method.

3-dimension	Calculating the latitude, longitude and altitude by four or more satellites.
2-dimension	Calculating the latitude, longitude and altitude by three or more satellites.
Out of range	Cannot calculate because no GPS satellites can be located.

2 Latitude:

Displays the latitude.

3 Longitude:

Displays the longitude.

4 Approx Altitude:

Displays the approximate altitude.

5 Positioning status:

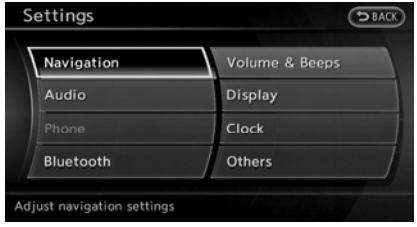
	(green)	Satellites are available.
	(gray)	Satellites are being searched for.

8 Other settings

Settings screen 8-2
Basic operation 8-2
Display settings 8-3
Basic operation 8-3
Display adjustment 8-3
Basic operation 8-4
Setting color theme 8-7
Navigation setting 8-7
Basic operation 8-7
Speed limit indication on map 8-8
Other navigation settings 8-9
Delete stored items 8-15
Reset all navigation settings to default 8-16
Volume adjustment 8-17
Basic operation 8-17
Clock settings 8-18
Basic operation 8-18
Language and unit settings 8-19
Language settings 8-19
Unit settings 8-20

SETTINGS SCREEN

The navigation system can be customized to make it easier for you to use.



NSE0001

BASIC OPERATION

1. Press SETTING.
2. Select the preferred setting item.

Available setting items

- “Navigation”:
  Adjust various settings of the navigation system.
  “Navigation setting” (page 8-7)
- “Audio”:
  Refer to the vehicle Owner’s Manual.
- “Phone”:
  Refer to the vehicle Owner’s Manual.
- “Bluetooth”:
  Set Bluetooth® Audio and Phone. Refer to the vehicle Owner’s Manual.
- “Volume and Beeps”:
  ”Volume adjustment” (page 8-17)
- “Display”:
  “Display settings” (page 8-3)
- “Clock”:
  “Clock settings” (page 8-18)
- “Others”:
  – “Comfort”:

  This item is displayed when the ignition switch is in the ON position.

  Refer to the vehicle Owner’s Manual.

  – “Language & Units”:
  “LANGUAGE AND UNIT SETTINGS” (page 8-19)

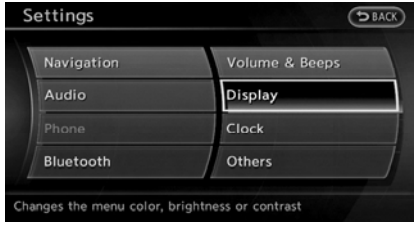
  – “Voice Recognition”:
  “System feedback announcement modes” (page 9-27)

INFO:

The displayed items vary depending on the equipped options.

DISPLAY SETTINGS

This menu turns on and off the display, adjust the image quality of the navigation screen and change the color of the menu screen.



NSE0002

NSE0003

BASIC OPERATION

1. Press SETTING.
2. Select “Display”.
3. Select the preferred adjustment item.

Available setting items

- “Display Adjustment:

  Turn on and off the display and adjust the image quality of the navigation screen.

- “Color Theme”

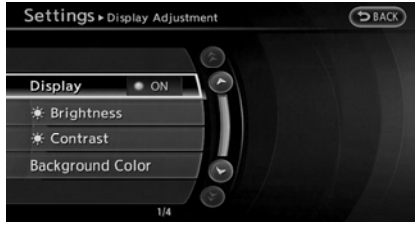
  Set the color of the menu screen.

DISPLAY ADJUSTMENT

This menu turns on and off the display and adjusts the image quality of the navigation screen.

NSE0003

NSE0004



NSE0004

BASIC OPERATION

1. Select “Display Adjustment”.
2. Select the preferred adjustment item.
3. Touch the “+” or “-” key.
4. After setting, touch “Back” to apply the setting.
5. Select “Back” to return to the previous screen. Press MAP to return to the current location map screen.

Available setting items

- “Display”:

  Turn on or off the screen.

  “Display” (page 8-4)

- “Brightness”:

  Adjust the screen brightness.

  “Brightness” (page 8-5)

- “Contrast”:

  Adjust the screen contrast.

  “Contrast” (page 8-5)

- “Background Color”:

  Set the background color.

  “Background color” (page 8-6)

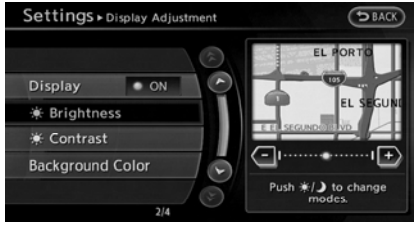
Display

To turn off the display, touch the display key. The display can also be turned off by pressing and holding ☼/☽ for more than 2 seconds.

NSE0005

When any button is pushed with the display off, the display turns on. The display will automatically turn off when there is no switch operation for 5 seconds.

To turn on the display, press ☼/☽ .

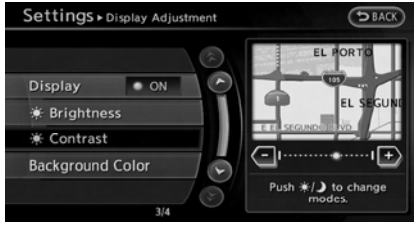


NSE0006

Brightness

Adjust the display brightness by touching “+” or “−”.

Each time “+” or “−” is pushed, the display brightness changes.

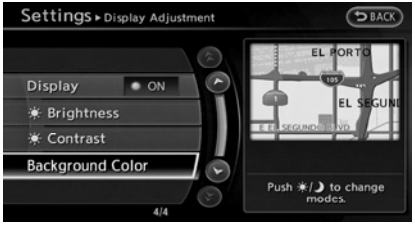


NSE0007

Contrast

Adjust the display contrast by touching “+” or “−”.

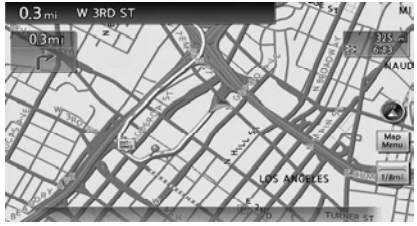
Each time “+” or “−” is touched, the display contrast changes.



NSE0008

Background color

Touch to toggle between the day screen and night screen.



NSE0039

Day screen

NSE0040

Night screen

INFO:

The background color setting can also be changed using the ☼/☽ button.

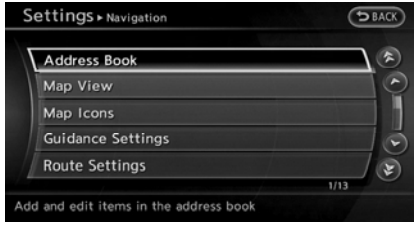
NSE0010

SETTING COLOR THEME

1. Select “Color Theme”.

NSE0011

2. Select the preferred menu color.



NSE0012

The navigation system can be set in details to meet the preference.

BASIC OPERATION

1. Press SETTING.
2. Select “Navigation”.
3. Select the preferred setting item.

Available setting items

- “Address Book”:

  Store locations and routes, and edit the stored items.

  “STORING A LOCATION” (page 6-2)

- “Map View”:

  Set the display method and the direction of the map.

  “CHANGING THE MAP VIEW” (page 3-11)

- “Map Icons”:

  Set the map icons to display on the map.

  “DISPLAYING MAP ICONS” (page 3-21)

- “Guidance settings”:

  Set the various functions for the route guidance.

  “GUIDANCE SETTINGS” (page 5-28)

- “Route Settings”:

  Change the routing preferences.

  “Detailed route settings” (page 5-34)

- “Traffic Info Setting”:

  Set the various functions of the XM NavTraffic® information system.

  “Traffic information settings” (page 7-10)

- “Weather Info Setting”:

  Set the functions of the XM NavWeather™ information system.

- “Speed Limit Info”:

  Display speed limit information.

- “Others”:

  Display other setting items.

  “OTHER NAVIGATION SETTINGS” (page 8-9)

- “Deletes stored information”:

  Delete stored locations and the home setting in the Address Book.

  “DELETE STORED ITEMS” (page 8-15)

- “Delete All Previous Destinations”:

  Delete all previous destinations.

  “DELETE STORED ITEMS” (page 8-15)

- “Delete Previous Starting Point”:

  Delete all previous starting points.

  “DELETE STORED ITEMS” (page 8-15)

- “Reset all Navigation Settings to Default”:

  Reset all of the settings to default.

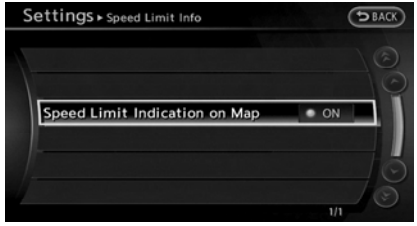
  “RESET ALL NAVIGATION SETTINGS TO DEFAULT” (page 8-16)

SPEED LIMIT INDICATION ON MAP

Turn the “Speed Limit Information” display on or off. The indicator light illuminates when the speed limit display function is set to on.

NSE0041

1. Select “Speed Limit Info”.



NSE0013

2. Select “Speed Limit Indication on Map” to toggle the function between on and off. The indicator light illuminates when the speed limit display function is set to on.

NSE0016

OTHER NAVIGATION SETTINGS

Basic operation

1. Press SETTING.
2. Select “Navigation”.
3. Select “Others”.
4. Select the preferred setting item.

Available setting items

- “Audio Display on Map”:

  Allows the audio information to be displayed at all times.

  “Displaying the audio information on the map screen” (page 8-10)

- “Map Scrolling Information”:

  Sets the system so that when the map scrolls the information about the location aligned at the center of the cross pointer is displayed.

  “MAP SCROLLING INFORMATION” (page 3-23)

- “Customize Nearby Places”:

  Set the category of frequently visited landmarks.

  “Customizing nearby places” (page 8-11)

- “Keyboard Type”:

  Switches the keyboard layout for the character input screen.

  “Settings the keyboard layout of the character input screen” (page 8-12)

- “North Up when Zoom Out”:

  When this setting is ON, the orientation of the map is automatically changed to North Up when the widest map scale is selected. The orientation is changed to North Up even when Heading Up is set.

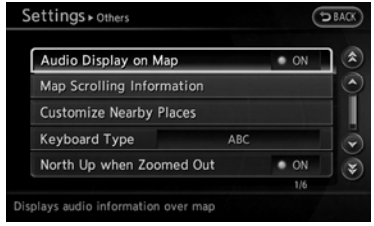
- “Adjust Current Location”:

  Corrects the position of the current location.

  “Adjusting the current vehicle location” (page 8-13)

Displaying the audio information on the map screen

The operating status of audio functions can be displayed on the map screen.



LNV0597

1. Select “Others”.
2. Select “Audio Display on Map”. The indicator illuminates when the item is set.
3. Press MAP to return to the current location map screen.

NSE0020

4. On the bottom of the map screen, the operating status of an audio/visual function is displayed at all times.

Customizing nearby places

The categories can be customized for searching places of interest nearby.

The modified list of places of interest can be used for searching for a location using “Places”.

“SEARCHING FOR A DESTINATION” (page 2-18)

LNV0598

1. Select “Others”.
2. Select “Customize Nearby Places”.

NSE0015

3. Select the preferred item. The main category list is displayed.

LNV0599

4. Select a main category. The sub category list is displayed. Select “Category Search”. The preferred category can also be input directly.

NSE0018

5. Select a sub category. The category setting is modified.
6. Press MAP to return to the current location map screen.

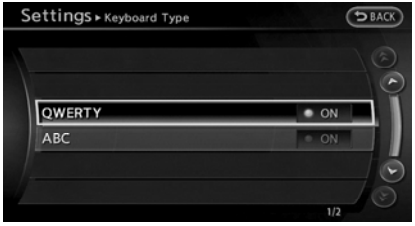
Setting the keyboard layout of the character input screen

Depending on the user’s preference for the keyboard layout of character input screen, the ABC layout or QWERTY layout can be selected.

Example: Switching to the QWERTY layout

LNV0600

1. Select “Others”.
2. Select “Keyboard type”.



NSE0022

3. Select the preferred item to switch the display between “ABC” and “QWERTY”.
4. Press MAP to return to the current location map screen.

NSE0023

ABC layout

NSE0024

QWERTY layout

Adjusting the current vehicle location

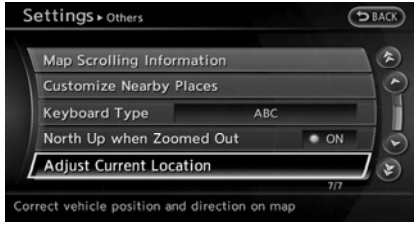
If the vehicle icon indicating the current vehicle location is not in the correct position, the location of the vehicle icon on the map screen can be adjusted.

INFO:

- Regardless of the map view setting, the map is displayed in Plan View when adjusting the position of the vehicle icon.
- When correcting the position of the vehicle icon, the map is automatically displayed in the North Up mode. After finishing the correction, the map restores the current orientation setting.

- The position and direction of the vehicle icon may be misaligned depending on the external conditions and environment.
- If the vehicle icon is misaligned, drive for a while in a location where the GPS signals can be received. This may correct the position of the vehicle icon.

“VEHICLE ICON” (page 11-4)

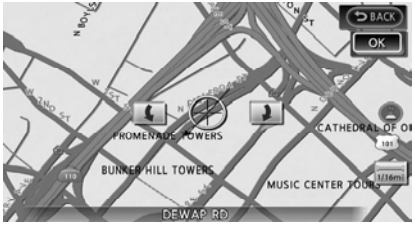


NSE0025

1. Select “Others”.
2. Select “Adjust Current Location”. The current location map screen is displayed.

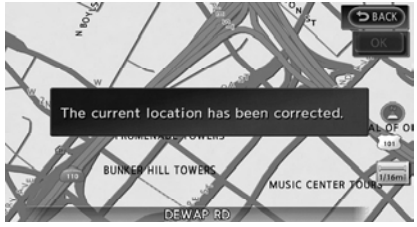
NSE0026

3. Adjust the position of the vehicle icon. After adjusting the position of the vehicle icon, touch “OK” key.



NSE0027

4. Adjust the direction of the vehicle icon. After adjusting the direction of the vehicle icon, touch “OK” key.

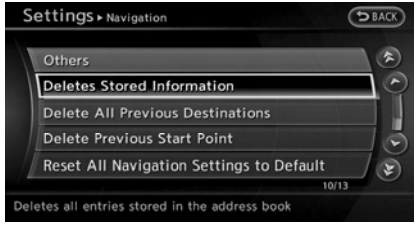


NSE0028

5. A message is displayed, and the adjusted vehicle location is stored.

DELETE STORED ITEMS

Delete stored item from setting screen.



NSE0029

Basic operation

1. Select “Navigation”.
2. Select the preferred item that you want to delete.

Available items

- “Deletes Stored Information”:

  Delete the stored location and home.
- “Delete All Previous Destinations”:

  Delete all previous destinations.
- “Delete Previous Start Point”:

  Delete all previous start points.

RESET ALL NAVIGATION SETTINGS TO DEFAULT

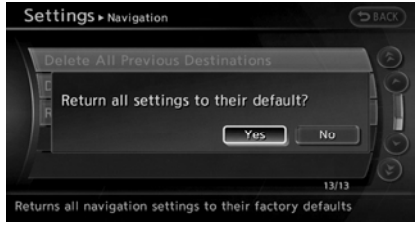
This restores various settings (display, volume level, etc.) to the default settings.

INFO:

The memory contents, such as the stored locations, will not be deleted.

NSE0030

1. Select “Navigation”.
2. Select “Reset All Navigation Settings to Default”.

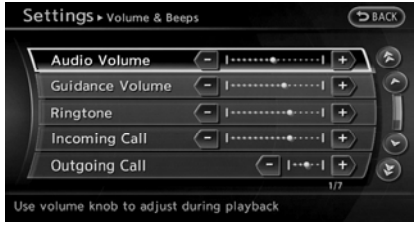


NSE0031

3. A confirmation message is displayed. Confirm the contents of the message, select “Yes”.

VOLUME ADJUSTMENT

This turns on and off, as well as adjusts, the phone function (ringer, incoming and outgoing volume), the voice guide function and the beep function.



NSE0032

BASIC OPERATION

1. Press SETTING.
2. Select “Volume & Beeps”.
3. Select the preferred adjustment item.
4. Touch the “+” or “-” key.
5. After setting, touch “Back” key.
6. Touch “Back” to return to the previous screen. Press MAP to return to the current location map screen.

Setting items

- “Audio Volume”:

  Adjust the volume level of the audio system by touching “+” or “−”.

- “Guidance Volume”:

  Adjust the volume level of voice guidance by touching “+” or “−”.

- “Ringtone”:

  Adjust the volume level of the ringtone by touching “+” or “−”.

- “Incoming Call”:

  Adjust the incoming call volume by touching “+” or “-”.

- “Outgoing Call”:

  Adjust the outgoing call volume by touching “+” or “−”.

- “Switch Beeps”:

  Select to toggle the beep function between on and off. The indicator light illuminates when the beep function is set to on. The beep sounds when pushing and holding a button or when a prohibited operation is performed.

- “Guidance Voice”:

  Select to toggle the voice guidance function between on and off. The indicator light illuminates when the voice guidance function is set to on.

CLOCK SETTINGS

INFO:

For more details about “Ringtone”, “Incoming Call” and “Outgoing Call”, refer to the vehicle Owner’s Manual.

This changes the clock settings.

BASIC OPERATION

1. Press SETTING.
2. Select “Clock”.
3. Select the preferred adjustment item.
4. Use the touch screen to adjust to the preferred setting.
5. After setting, touch “Back” key to apply the setting.
6. Press MAP to return to the current location map screen.

Setting items

- “On-screen Clock”:

  Select to toggle the clock display located in the top right corner of the display between on and off. The indicator light illuminates when the clock display is set to on.

- “Clock Format (24h)”:

  Select the clock format between 12-hour and 24-hour times. The indicator light illuminates when the clock is set to the 24- hour format.

- “Offset (hour)”:

  Use the on-screen keys to adjust the offset value (between −12 and +12).

- “Offset (min)”:

  Use the on-screen keys to adjust the offset value (between −59 and +59).

- “Daylight Savings Time”:

  Select to toggle the daylight savings time setting between on and off. The indicator light illuminates when the daylight savings time setting is set to on

- “Time Zone”:

  Select an appropriate time zone from the list that appears when this item is highlighted.

  – Pacific
  – Mountain
  – Central
  – Eastern
  – Atlantic
  – Newfoundland
  – Hawaii
  – Alaska

LANGUAGE AND UNIT SETTINGS

This changes the language and measurement unit used in the system.

LNV0601

LANGUAGE SETTINGS

1. Press SETTING.
2. Select “Others”.
3. Select “Language & Units”.

NSE0035

4. Select “Select Language”.

NSE0036

5. Select the preferred setting item. The indicator light of the selected item illuminates.

   Available languages:

   – “English”:

   – “Francais”:

   – “Español”:

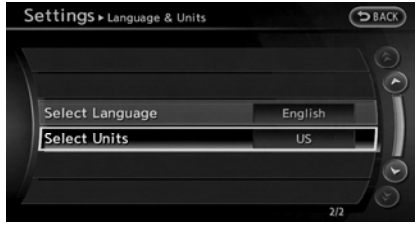
NOTE:

Do not change the ignition switch position while changing the language. Doing so may cause a system malfunction.

LNV0601

UNIT SETTINGS

1. Press SETTING.
2. Select “Others”.
3. Select “Language & Units”.



NSE0037

4. Select “Select Units”.

NSE0038

5. Select the preferred unit. The indicator of the selected unit illuminates.

   Available units:

   – US:

   mile, MPH, °F, MPG

   – Metric:

   km, km/h, °C, L/100 km

6. Press MAP to return to the current location map screen.

MEMO

9 Voice recognition

NISSAN voice recognition 9-2
Manual control 9-2
Standard mode 9-2
Confirming how to use voice commands 9-2
Using the system 9-4
Before starting 9-5
Giving voice commands 9-5
Voice command examples 9-9
Alternate command mode 9-16
Displaying how to operate the voice recognition system 9-16
Confirming how to use voice commands 9-22
Using the system 9-25
Before starting 9-25
Giving voice commands 9-25
System feedback announcement modes 9-27
Setting the alternate command mode 9-27
Speaker adaptation 9-28
Voice command examples 9-32

NISSAN Voice Recognition allows hands-free operation of the navigation system and other systems equipped on this vehicle, in one of two modes, Standard Mode or Alternate Command Mode. Standard Mode allows the operation of Navigation, Phone, Audio, Information and Help.

The commands that are available are always shown on the display and announced by the system. To perform operations, simply follow the prompts given by the system. In Standard Mode, hands-free operation of Change map view, Route selection and Bluetooth Audio, etc. is not available through Voice Recognition.

Alternate Command Mode allows advanced operations. When this mode is active, an expanded list of commands can be spoken after pressing , and the voice command menu prompts are turned off. Note that in this mode the recognition success rate may be affected because the number of available commands and ways of speaking each command are increased. Otherwise, it is recommended that Alternate Command Mode be turned OFF and Standard Mode be used for the best recognition performance.

“ALTERNATE COMMAND MODE” (page 9-16)

INFO:

- To improve recognition success when Alternate Command Mode is active, try using the Speaker Adaptation function available in that mode.

  “SPEAKER ADAPTATION” (page 9-28)

  Otherwise, it is recommended that Alternate Command Mode be turned OFF and Standard Mode be used for the best recognition performance.

- For the voice commands for the audio, phone and other systems, refer to the vehicle Owner’s Manual. The following sections refer only to the navigation, phone and information systems.

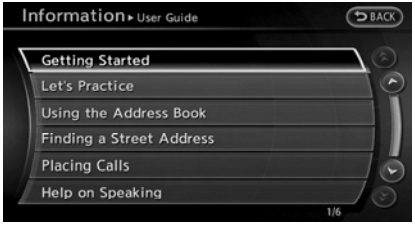
MANUAL CONTROL

While using the voice recognition system for certain Phone and Navigation features, you can switch to using manual controls (touch screen, steering wheel controls) and the information you have already entered by voice control will be retained. To switch to manual controls, touch the “Manual Controls” key on the display when it appears. The system will respond by speaking “Changing to manual operation. Please use manual controls to continue.”

CONFIRMING HOW TO USE VOICE COMMANDS

When operating the voice recognition system for the first time or if help is preferred to use the system, the User Guide can be displayed.

It is possible to confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.



NVR0001

Basic operation

1. Press INFO.
2. Select “Others”.
3. Select “Voice Recognition”.
4. Select “User Guide”.
5. Select the preferred item.

Available items:

- “Getting Started”:

  Describes the basics of how to operate the voice recognition system.

- “Let’s Practice”:

  Mode for practice following the system voice.

- “Using the Address Book”:

  Tutorial for entering a destination by the Address Book.

- “Finding a Street Address”:

  Tutorial for entering a destination by street address.

- “Placing Calls”:

  Tutorial for making a phone call by voice command operation. Refer to the vehicle Owner’s Manual for details.

- “Help on Speaking”:

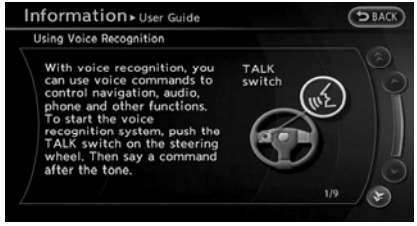
  Displays useful tips regarding speaking for correct command recognition by the system.

INFO:

The Command List feature is only available when Alternate Command Mode is active.

Getting started

Before using the voice recognition system for the first time, it is possible to confirm how to use commands by viewing the Getting Started section of the User Guide.

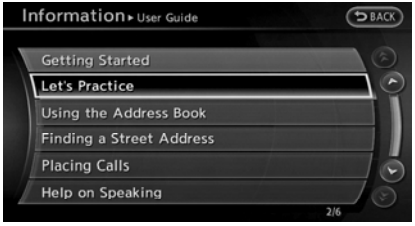

Information ▸ User Guide
BACK
Using Voice Recognition
With voice recognition, you can use voice commands to control navigation, audio, phone and other functions. To start the voice recognition system, push the TALK switch on the steering wheel. Then say a command after the tone.
TALK switch
1/9

NVR0002

1. Select “Getting Started”.
2. To confirm the page, scroll the screen using the up and down arrows.

Practicing voice commands

Practice for using the voice recognition function can be performed by repeating a phone number after the system announces it.



NVR0003

1. Select “Let’s Practice”.
2. Practice voice commands in accordance with the audio guidance.

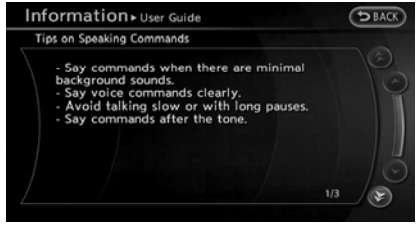
Tutorials on the operation of the voice recognition system

When selecting “Using the Address Book”, “Finding a Street Address” or “Placing Calls”, the system displays tutorials on how to perform these operations using voice recognition.

NVR0005

Useful tips for correct operation

It is possible to display useful speaking information that may help the system to accept a voice command correctly.


Information ▸ User Guide
BACK
Tips on Speaking Commands
- Say commands when there are minimal background sounds.
- Say voice commands clearly.
- Avoid talking slow or with long pauses.
- Say commands after the tone.
1/3

NVR0004

1. Select “Help on Speaking”.
2. To confirm the page, scroll the screen using the up and down arrows.

USING THE SYSTEM

Initialization

When the ignition switch is pushed to the ON position, Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands.

If is pressed before the initialization completes, the display will show the message: “System not ready”.

BEFORE STARTING

To get the best recognition performance from Voice Recognition, observe the following items.

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.
- Wait until the tone sounds before speaking a command.
- Speak in a natural conversational voice without pausing between words.

GIVING VOICE COMMANDS

1. Press located on the steering wheel switch.

NVR0006

2. A list of commands appears on the screen, and the system provides the voice menu prompt “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. After the tone sounds and the icon on the screen changes from to , speak a command.
4. Continue to follow the voice menu prompts and speak after the tone sounds until the preferred operation is completed.

Operating tips

- Speak a command after the tone.
- Commands that are available are always shown on the display and spoken through voice menu prompts. Commands other than those that are displayed are not accepted. Follow the prompts given by the system.
- If the command is not accepted, the system announces, “Please say again”. Repeat the command in a clear voice.
- Press “Back” once to return to the previous screen.
- To cancel the command, press and hold . The message, “Voice cancelled” will be announced.
- Press to stop the voice prompt and give the command at once. Remember to wait for the tone before speaking.
- To adjust the volume of the system feedback, push the volume control buttons “+” or “−” on the steering wheel switch or use the audio system volume knob while the system is making an announcement.

How to speak numbers

NISSAN Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

General rule:

Only single digits 0 (zero) to 9 can be used. For example, if speaking 500, “five zero zero” can be used, but “five hundred” cannot.

Examples:

1-800-662-6200

“One eight zero zero six six two six two zero zero”

Improving Recognition of Phone numbers:

Recognition of phone numbers can be improved by saying the phone number in 3 groups of numbers. For example, to call 800-662-6200, say “Eight Zero Zero” first, and the system will then ask to speak the next three digits. Then, say “Six Six Two”. After recognition, the system will then ask to speak the last 4 digits. Say, “Six Two Zero Zero”. Using this method of phone digit entry can improve recognition performance.

INFO:

For best recognition, speak “zero” for the number “0” and “oh” for the letter “o”.

Command list

Category Command:

COMMAND	ACTION
Navigation	Operates Navigation function.
Phone	Operates Phone function.
Information	Displays Vehicle Information function.
Audio	Operates Audio function.
Help	Displays User Guide.

Navigation Command:

COMMAND	ACTION
Home	Sets a route to the home location that is stored in the Address book.
Address (if so equipped)	Searches for a location by the street address specified, and sets a route (for continental US only).
Places	Sets a route to a facility near the current vehicle location.
Address Book	Searches for information stored in the Address Book.
Previous Destinations	Sets a route to a previous destination.

Information Command:

COMMAND	ACTION
Fuel Economy	Displays fuel economy information.
Trip Computer	Displays trip information.
Maintenance	Displays maintenance information.
Traffic Information	Turns the traffic information system on and off.
Where am I?	Displays current vehicle location.

Vehicle Phone Command:

COMMAND	ACTION
Dial Number	Makes a call to a spoken phone number up to 10 digits.
Vehicle Phonebook	Makes a call to a contact that is stored in the vehicle phonebook.
Handset Phonebook	Makes a call to a phone number stored in a mobile phone.
Incoming Calls	Makes a call to the incoming call number.
Outgoing Calls	Makes a call to the dialed number.
Missed Calls	Makes a call to the Missed calls number.
International Call	Makes an international call by allowing more than 10 digits to be spoken.

Audio Command:

COMMAND	ACTION
AM	Turns to the AM band, selecting the station last played.
FM	Turns to the FM band, selecting the station last played.
XM	Turns to the XM Satellite band, selecting the channel last played.
Music Box	Turns on the “Music Box” hard disk drive audio system.
CD	Starts to play a CD.

General Commands:

COMMAND	ACTION
Go back	Corrects the last recognition result to return to the previous screen
Exit	Cancels Voice Recognition

INFO:

Refer to the vehicle Owner’s Manual for the details of other voice recognition operation categories such as phone, audio, etc.

VOICE COMMAND EXAMPLES

To use the voice recognition function, speaking one command is sometimes sufficient, but at other times it is necessary to speak two or more commands. As examples, some additional basic operations that can be performed by voice commands are described here.

Example 1: Setting a destination by a street address

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Navigation”.

NGT0071

4. Speak “Address”.

NGT0072

5. Speak the name of the state, “California”.

NGT0073

6. Speak the name of the city, “Gardena”.

NGT0093

7. Voice feedback will be provided when the command is accepted, and the list of city names is displayed.
8. After the tone sounds and the icon on the screen changes again, speak “One”.

Voice Recognition ▸ Address
BACK
GARDENA (LOS ANGELES), CA
Help
Manual Controls
Please include prefix (e.g. North, South) and suffix (e.g. Road, Lane), if known
To exit, hold the TALK switch

NGT0074

9. Speak the name of the street, “South Figueroa street”.

INFO:

- Only the official street names stored in the map database can be recognized by the system. To improve accuracy, speak the street name precisely and include Boulevard, Way, North, South, etc., if known. If unsure of the full name, speaking only part of the street name such as “Figueroa” is acceptable, but recognition accuracy may be reduced.
- To correct the entered city, street or house number, speak “Change City”, “Change Street” or “Change House Number”.

NGT0075

10. Voice feedback will be provided when the command is accepted, and the list of street names appears.
11. After the tone sounds and the icon on the screen changes again, speak “One”.

Voice Recognition ▸ Address
BACK
FIGUEROA
GARDENA (LOS ANGELES), CA
Help
Manual Controls
House # Range: [14300 - 19299].
Say "No House Number" to use the default location on the street.
To exit, hold the TALK switch

NGT0076

12. Speak the house number.

“How to speak numbers” (page 9-26)

INFO:

If the house number is unknown, speak “No house number”.

NGT0077

13. To confirm the destination location on the map, speak “Show map”. To calculate a route, speak “Calculate route”.

Example 2: Placing a call to the phone number 800–662–6200

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Phone”.

NGT0079

4. Speak “Dial Number”.

NGT0080

5. Speak “800”.

NGT0081

6. The system announces, “Please say next three digits or dial, or say change number”. Speak “662”.

NGT0082

7. The system announces, “Please say last four digits or say change number”. Speak “6200”.

NGT0083

8. The system announces, “Dial or Change Number?”. Speak “Dial”.
9. The system makes a call to 800-662-6200.

INFO:

- Speaking “800-662-6200” (10 continuous digits) or “662-6200” (7 continuous digits) is acceptable, if the area code is not necessary. However the 3-3-4 digit grouping is recommended for improved recognition.

”How to speak numbers” (page 9-26)

- The NISSAN voice recognition system is not limited to recognizing phone numbers of only 7 or 10 digits. To dial a number in a format other than the 3-3-4 digit grouping, use the “International Call” command.
- If “Change Number” is spoken during phone number entry, the system will automatically request that the number be repeated using the 3-3-4 format. In this case please say the area code first and then follow the prompts.
- Do not add a “1” in front of the area code when speaking phone numbers.
- If the system does not recognize a voice command, please try repeating the command using a natural voice. Speaking too slowly or too loudly may further decrease recognition performance.

Example 3: Placing an international call to the phone number 011-81-111-222-3333

1. Press located on the steering wheel switch.

NGT0070

2. The system announces, “Would you like to access Phone, Navigation, Information, Audio or Help?”.
3. Speak “Phone”.

NGT0079

4. Speak “International Call”.

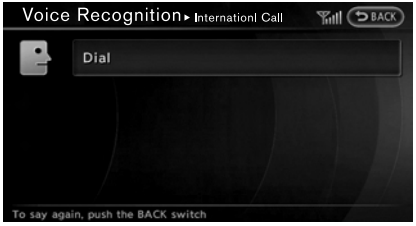
Voice Recognition ▸ International Call
BACK
Help
Manual Controls
Say the entire number or groups of numbers. Say 0 - 9, pound (#), star (*) or plus (+).
To exit, hold the TALK switch

NGT0087

5. Speak “011811112223333”.

NGT0088

6. Speak “Dial”.



NGT0089

7. The system makes a call to 011-81-111-222-3333.

INFO:

Any digit input format is available in the International Number input process.

The following section is applicable when Alternate Command Mode is active.

"SETTING THE ALTERNATE COMMAND MODE" (page 9-27)

When Alternate Command Mode is active, an expanded list of commands can be used after pressing . In this mode, available commands are not fully shown on the display or prompted. Review the expanded command list, available when this mode is active. See examples of Alternate Command Mode screens. Otherwise, it is recommended that Alternate Command Mode be turned OFF and Standard Mode be used for the best recognition performance.

"Confirming voice commands" (page 9-17)

DISPLAYING HOW TO OPERATE THE VOICE RECOGNITION SYSTEM

When operating the voice recognition system for the first time or if help is preferred to use the system, the Command List (available only in Alternate Command Mode) or the User Guide are available.

NVR0018

Basic operation

1. Press the INFO button.
2. Select "Others".
3. Select "Voice Recognition".
4. Select the preferred item.

Available items:

- "Command List":

  A list of voice commands that the system can accept is displayed.

- "User Guide":

  A simplified operation manual of the voice recognition system can be displayed and how to use the voice commands can be confirmed.

INFO:

The Command List feature is only available when Alternate Command Mode is active.

Confirming voice commands

When controlling the system by voice commands for the first time or if an appropriate voice command is unknown, confirm using the voice command lists.

The following information describes how to display the navigation command list and the help list. For information about the operations of other functions, refer to the vehicle Owner's Manual.

Example: Displaying the navigation command list:

1. Press INFO.
2. Select "Others".
3. Select "Voice Recognition".

NVR0018

4. Select "Command List".

NVR0019

5. Select the preferred item.

Available items:

- Phone Commands
- Navigation Commands
- Information Commands
- Audio Commands
- Help Commands

NVR0020

6. To confirm the list, scroll the screen using the up and down arrows.
7. Press “Back” to return to the previous screen.

Command list

NAVIGATION	COMMAND	ACTION
	Home	Sets a route to your home location.
	Address (if so equipped)	Sets a route to the street address that you specify.
	Places	Sets a route to a facility near the current vehicle location
	Address Book	Sets a route to a location stored in the Address Book.
	Previous Destinations	Sets a route to a previously entered destination.
	Previous Start Point	Sets a route to the previous starting point.
	Minimize Freeway Route	Sets the route search condition to minimize the usage of freeways.
	Fastest Route	Sets the route search condition to find the fastest time.
	Shortest Route	Sets the route search condition to find the shortest distance.
	Cancel Route	Stops the current route but can be resumed by using “Route”.
	Delete Destination	Deletes the entire route (destination and waypoints).
	Birdview ™ Map	Displays the map in Birdview™(3D).
	Planview Map	Displays the map in Plan View (2D).
	North Up	Locks the map to make North always point up.
	Heading Up	Locks the vehicle indicator to make it always point up.
	Zoom In <1 to 13>	Increases the magnification of the map by the number of steps specified.
	Zoom Out <1 to 13>	Decreases the magnification of the map by the number of steps specified.
	Voice Guidance On/Off	Turns the navigation guidance on and off.
	Guidance Voice	Repeat Speaks the current navigation guidance.

INFO:

The words in italics are variable.

INFORMATION	COMMAND	ACTION
	Where am I?	Displays the current location.
	Traffic Information	Turns the traffic information system on or off.
	Weather Information	Displays weather information.
	Weather Map	Displays the weather map.

PHONE		ACTION
	Dial Number	Makes a call to a spoken phone number.
	Vehicle Phonebook	Makes a call to a contact that is stored in the Vehicle Phonebook.
	Handset Phonebook	Makes a call to a contact that is stored in the mobile phone.
	Incoming Calls	Makes a call to the incoming call number.
	Outgoing Calls	Makes a call to the dialed number.
	Missed Calls	Makes a call to the Missed calls number.
	International Call	Makes an international call by allowing more than 10 digits to be spoken.

AUDIO	COMMAND	ACTION
	Music Box	Turns on the “Music Box” hard disk drive audio system.
	CD	Starts to play a CD.
	FM	Turns to the FM band, selecting the station last played.
	AM	Turns to the AM band, selecting the station last played.
	XM	Turns to the XM Satellite band, selecting the channel last played.
	USB	Turns on the USB memory.
	Bluetooth Audio	Turns on the Bluetooth audio player.
	AUX	Turns on the AUX.

GENERAL	COMMAND	ACTION
	Go back	Corrects the last recognition result to return to the previous screen
	Exit	Cancels Voice Recognition

General Commands:

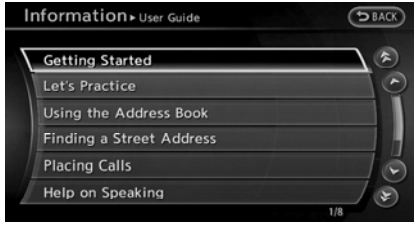
HELP	COMMAND	ACTION
	Navigation Commands	Displays the navigation command list.
	Phone Commands	Displays the phone command list.
	Audio Commands	Displays the audio command list.
	Information Commands	Displays the information command list.
	Help Commands	Displays the help command list.
	User Guide	Displays the User Guide
	Speaker Adaptation	The system memorizes the voices of up to three persons for better voice recognition performance.

INFO:

Refer to the vehicle Owner's Manual for the details of voice recognition operation of other categories such as phone, audio, etc.

CONFIRMING HOW TO USE VOICE COMMANDS

It is possible to confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.



NVR0021

Basic operation

1. Press INFO.
2. Select “Others”.
3. Select “Voice Recognition”.
4. Select “User Guide”.
5. Select the preferred item.

Available items:

- “Getting Started”:

  Describes the basics of how to operate the voice recognition system.

- “Let’s Practice”:

  Mode for practice following the system voice.

- “Using the Address Book”:

  Tutorial for entering a destination by the Address Book.

- “Finding a Street Address”:

  Tutorial for entering a destination by street address.

- “Placing Calls”:

  Tutorial for making a phone call by voice command operation. Refer to the vehicle Owner’s Manual for details.

- “Help on Speaking”:

  Displays useful tips regarding speaking for correct command recognition by the system.

- “Voice Recognition Settings”

  Describes the available voice recognition settings.

- “Adapting the System to Your Voice”

  Tutorial adapting the system to the user’s voice.

Getting started

Before using the voice recognition system for the first time, it is possible to confirm how to use commands by viewing the Getting Started section of the User Guide.

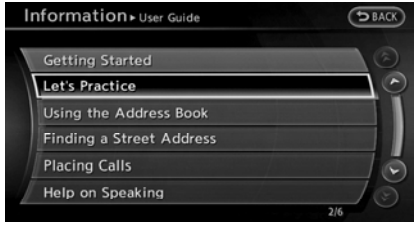
Information ▸ User Guide
BACK
Using Voice Recognition
With voice recognition, you can use voice commands to control navigation, audio, phone and other functions. To start the voice recognition system, push the TALK switch on the steering wheel. Then say a command after the tone.
TALK swtich
1/9

NVR0022

1. Select “Getting Started”.
2. To confirm the page, scroll the screen using the up and down arrows.

Practicing voice commands

Practice for using the voice recognition function can be performed by repeating a phone number after the system announces it.



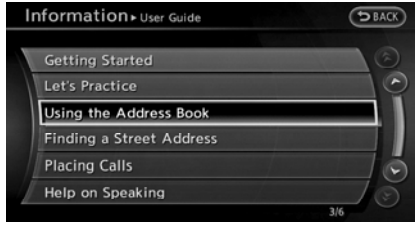
NVR0024

1. Select “Let’s Practice”.
2. Practice voice commands in accordance with the audio guidance.

Tutorials on the operation of the voice recognition system

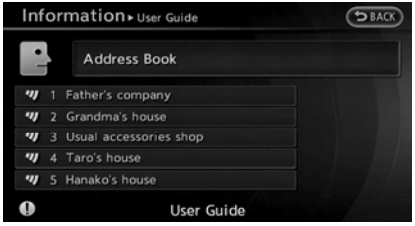
When selecting “Using the Address Book”, “Finding a Street Address” or “Placing Calls”, the system displays tutorials on how to perform these operations using voice recognition.

Example: With “Using the Address Book” selected



NVR0023

1. Select “Using the Address Book”. The tutorial starts.



NVR0025

2. The voice guide demonstrates how to speak when giving commands.
3. When the tutorial is completed, the system automatically switches to the Menu screen.

Useful tips for correct operation

It is possible to display useful speaking tips that may help the system to accept a voice command correctly.

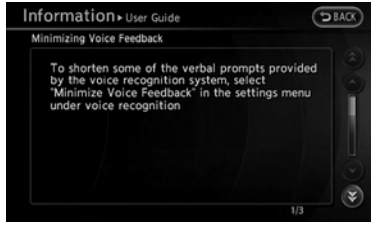
Information ▸ User Guide
BACK
Tips on Speaking Commands
- Say commands when there are minimal background sounds.
- Say voice commands clearly.
- Avoid talking slow or with long pauses.
- Say commands after the tone.
- If you find that the system has difficulty recognizing your voice, please try using the Speaker Adaptation mode.
1/2

LNV0602

1. Select “Help on Speaking”.
2. To confirm the page, scroll the screen using the up and down arrows.

Voice recognition settings

The settings for easy operation of the voice recognition system are displayed.

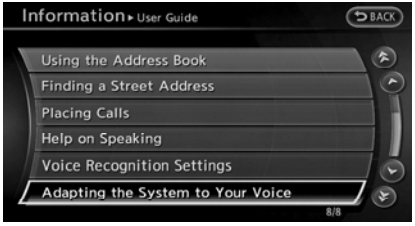

Information ▸ User Guide
BACK
Minimizing Voice Feedback
To shorten some of the verbal prompts provided by the voice recognition system, select "Minimize Voice Feedback" in the settings menu under voice recognition
1/3

LNV0603

1. Select “Voice Recognition Settings”.
2. To confirm the page, scroll the screen using the up and down arrows.

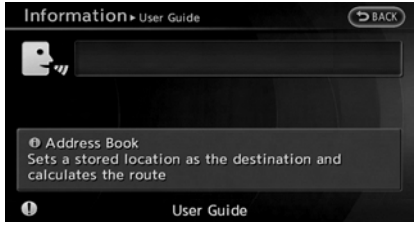
Adapting the system to your voice

The voice recognition system is equipped with a learning function to adapt to the user’s voice for better recognition. It is possible to confirm how to operate the learning function through this tutorial.



NVR0029

1. Select “Adapting the System to Your Voice”. The tutorial starts.


Information ▸ User Guide
BACK
Address Book
Sets a stored location as the destination and calculates the route
User Guide

NVR0030

2. The voice guide demonstrates the steps that have to be performed.
3. When the tutorial is completed, the system automatically switches to the Menu screen.

USING THE SYSTEM

Initialization

When the ignition switch is pushed to the ON position, Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If is pressed before the initialization completes, the display will show the message: “System not ready”.

BEFORE STARTING

To get the best recognition performance out of Voice Recognition, observe the following:

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.
- Wait until the tone sounds before speaking a command.
- Speak in a natural conversational voice without pausing between words.

GIVING VOICE COMMANDS

1. Press located on the steering wheel switch.

NVR0032

2. A list of commands appears on the screen, and the system announces, “Please say a command”.
3. After the tone sounds and the icon on the screen changes from to , speak a command.

Operating tips

- If the command is not recognized, the system announces, “Please say again”. Repeat the command in a clear voice.
- Press “Back” once to return to the previous screen.
- To cancel the command, press and hold . The message, “Voice cancelled” will be announced.
- Press to stop the voice prompt and give the command at once. Remember to wait for the tone before speaking.
- To adjust the volume of the system feedback, push the volume control buttons “+” or “−” on the steering wheel switch or use the audio system volume knob while the system is making an announcement.

How to speak numbers

NISSAN Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

General rule:

Only single digits 0 (zero) to 9 can be used. For example, if speaking 500, “five zero zero” can be used, but “five hundred” cannot.

Examples:

1-800-662-6200

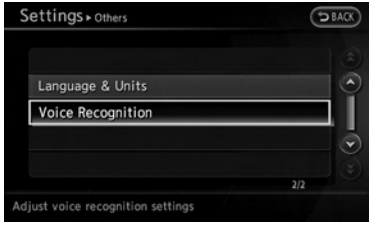
“One eight zero zero six six two six two zero zero”

Improving Recognition of Phone numbers:

Recognition of phone numbers can be improved by saying the phone number in 3 groups of numbers. For example, to call 800-662-6200, say “Eight Zero Zero” first, and the system will then ask to speak the next three digits. Then, say “Six Six Two”. After recognition, the system will then ask to speak the last 4 digits. Say, “Six Two Zero Zero”. Using this method of phone digit entry can improve recognition performance.

INFO:

For best recognition, speak “zero” for the number “0” and “oh” for the letter “o”.



LNV0604

SYSTEM FEEDBACK ANNOUNCEMENT MODES

It is possible to select two modes, long or short, for the announcement by the system.

How to set

1. Press SETTING.
2. Select “Others”.
3. Select “Voice Recognition”.

NVR0034

4. Select “Minimize Voice Feedback”. The indicator illuminates, and the system announcement mode switches to the short mode.
5. Press “Back” to return to the previous screen. Press MAP to return to the current location map screen.

SETTING THE ALTERNATE COMMAND MODE

This mode enables the operation of the display and audio through Voice Recognition. When this mode is active, an expanded list of commands can be spoken after pressing , and the voice command menu prompts are turned off. Note that in this mode the recognition success rate may be affected because the number of available commands and ways of speaking each command are increased.

This mode can be turned on or off.

How to set

1. Press SETTING.
2. Select “Others”.
3. Select “Voice Recognition”.

NVR0035

4. Select “Alternate Command Mode”. A confirmation message is displayed. Select “Yes”. The indicator illuminates, and Alternate Command Mode switches to ON.
5. Press “Back” to return to the previous screen. Press MAP to return to the current location map screen.

SPEAKER ADAPTATION

The voice recognition system has a function to learn the user’s voice for better voice recognition performance.

The system can memorize the voices of up to three persons.

Having the system learn the user’s voice

1. Press SETTING.
2. Select “Others”.
3. Select “Voice Recognition”.

LNV0606

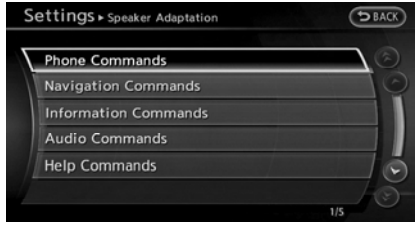
4. Select “Speaker Adaptation”.

LNV0605

5. Select the user whose voice is memorized by the system.

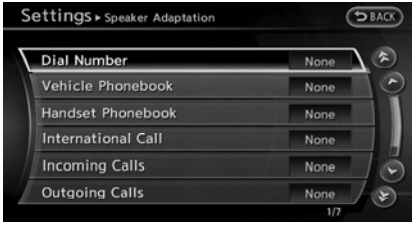
NVR0038

6. Select “Start Speaker Adaptation Learning”.



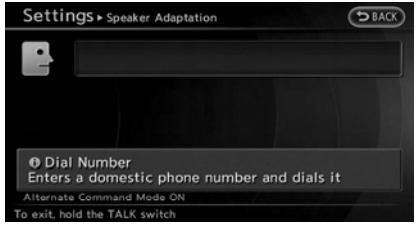
NVR0039

7. Select the voice command category to be learned by the system. The voice command category list is displayed.



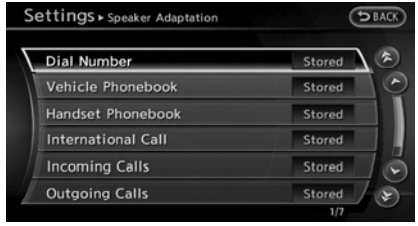
NVR0040

8. Select the voice command to be learned by the system. The voice recognition system starts.


Settings ▸ Speaker Adaptation
BACK
Dial Number
Enters a domestic phone number and dials it
Alternate Command Mode ON
To exit, hold the TALK switch

NVR0041

9. The system announces, “Please say a command”.
10. After the tone sounds and the icon on the screen changes from to , speak a command.



NVR0042

11. When the system has recognized the voice command, the voice of the user is learned. Press “Back” once to return to the previous screen.

INFO:

With “Continuous Learning” set to on, the system does not go back to the command list screen, allowing to continue voice command learning by the system.

12. If the system has learned the command correctly, “None” will change to “Stored”.

Editing registered items

It is possible to edit user names and select learning function settings.

1. Press SETTING.
2. Select “Others”.
3. Select “Voice Recognition”.

NVR0036

4. Select “Speaker Adaptation”.

NVR0037

5. Select a user to edit.

NVR0044

6. Select “Setting”.

NVR0045

7. Select an item to edit.

Setting items

- “Edit User Name”:

  Edit the user name.

- “Delete Voice Data”:

  Reset the user voice that the voice recognition system has learned.

- “Continuous Learning”:

  Have the system learn the voice commands of the user in succession, without selecting commands one by one.

VOICE COMMAND EXAMPLES

To use the voice recognition function, speaking one command is sometimes sufficient, but at other times it is necessary to speak two or more commands. As examples, some additional basic operations by voice commands are described here.

Example 1: Switching the map to 2D (Plan View) mode

1. Press located on the steering wheel switch.

NVR0046

2. The system announces, “Please say a command”.
3. After the tone sounds and the icon on the screen changes from to , speak “Plan View Map”.

NVR0047

4. Voice feedback will be provided when the command is accepted, and the map is displayed in 2D (Plan View).

Example 2: Setting a destination using places list

NVR0046

1. Press located on the steering wheel switch.
2. The system announces, “Please say a command”.

NVR0050

3. After the tone sounds and the icon on the screen changes from to , speak “Places”.
4. If a route is already set, choose “Near Current Location”, “Along Route” or “Near Destination”.
5. After the tone sounds and the icon on the screen changes again, speak “Along Route”.

NVR0043

6. Voice feedback will be provided when the command is accepted, and the list of places of interest categories appears.
7. After the tone sounds and the icon on the screen changes again, speak “Two”.

Voice Recognition ▸ Places
BACK
1 CHEVRON (LOS ANGELES, ... 0.6 mi
2 CHEVRON (LOS ANGELES, ... 0.7 mi
3 WELCOME AUTO SERVICE... 0.9 mi
4 CONOCO (LOS ANGELES, ... 1.0 mi
5 CHEVRON (LOS ANGELES, ... 1.0 mi
Help
Manual Controls
Alternate Command Mode ON
To exit, hold the TALK switch

NVR0051

8. Voice feedback will be provided when the command is accepted, and the list of places of interest in the category specified in the previous step appears.
9. After the tone sounds and the icon on the screen changes again, speak “One”.

NVR0052

10. Voice feedback will be provided when the command is accepted, and the system starts calculating a route to the selected facility.

Example 3: Setting a destination by a street address

NVR0006

1. Press located on the steering wheel switch.
2. The system announces, “Please say a command”.

NVR0054

3. Speak “Address”.

NVR0055

4. Speak the name of the state, “California”.

NVR0056

5. Speak the name of the city, “Gardena”.

Voice Recognition ▸ Address
BACK
GARDENA (LOS ANGELES), CA
Help
Manual Controls
Please include prefix (e.g. North, South) and suffix (e.g. Road, Lane), if known
Alternate Command Mode ON
To exit, hold the TALK switch

NVR0057

6. Speak the name of the street, “South Figueroa street”.

INFO:

Speak the street name precisely including boulevard, way, north, south, etc. In Alternate Command Mode, the system does not recognize abbreviated names when they are spoken. In this case, the system does not accept “Figueroa street” or “Figueroa”.

NVR0058

7. Voice feedback will be provided when the command is accepted, and the list of street names appears.
8. After the tone sounds and the icon on the screen changes again, speak “One”.

Voice Recognition ▸ Address
BACK
S FIGUEROA ST
GARDENA (LOS ANGELES), CA
House # Range: [200 - 999].
Say "No House Number" to use the default location on the street.
Help
Manual Controls
Alternate Command Mode ON
To exit, hold the TALK switch

NVR0059

9. Speak the house number.

“How to speak numbers” (page 9-26)

INFO:

If the house number is unknown, speak “No house number”.

NVR0060

10. To confirm the destination location on the map, speak “Show map”. To calculate a route, speak “Calculate route”.

MEMO

10 General system information

Features of this navigation system 10-2
- Route guidance 10-2
- Places of interest (Places) directory 10-2
- Address book 10-2
- Avoid area 10-2
- XM NavTraffic® information 10-2
- Automatic reroute 10-3
- Detour 10-3
- Birdview™ 10-3
- Voice guidance 10-3

Current vehicle location 10-4
- Display of current vehicle location 10-4
- What is GPS (Global Positioning System)? 10-4
- Incorrect display of vehicle position 10-6
- Detailed map coverage areas (MCA) for the navigation system 10-8
- When a gray road is displayed on the map 10-8

Route calculation 10-9
Route guidance 10-10
- Basics of voice guidance 10-10
- Directions provided and the distances to guide points 10-11
- Repeating voice guidance 10-13
- Notes on voice guidance 10-13

Notes on XM NavTraffic® information 10-14
Notes on XM NavWeather™ information 10-15
Map data 10-16
- How to order map data updates 10-16
- About the map data 10-16
- End-user terms 10-17

How to handle the display 10-20
- Characteristics of a liquid crystal display 10-20
- Maintenance of the display 10-20

ROUTE GUIDANCE

The main features of the NISSAN Navigation System are visual guidance and voice guidance in selected map coverage areas. Utilizing a network of GPS (Global Positioning System) satellites, the NISSAN Navigation System tracks the location on the map and navigates to a preferred location.

Once you set the destination in a map coverage area, the NISSAN Navigation System will calculate a route from your current location to your destination. The real-time map display and turn-by-turn voice guidance leads the driver along the route. These features can be especially helpful when driving to unfamiliar locations.

The system may be unable to set a destination and/or calculate a route when the destination is outside the map coverage area. Additionally, voice guidance may not be available if the destination is outside the map coverage area. For more information on how to set a destination, refer to Section 4.

PLACES OF INTEREST (Places) DIRECTORY

The NISSAN Navigation System offers an extensive places of interest (Places) directory in map coverage areas. This directory includes a wide variety of destinations ranging from gas stations, ATMs, and restaurants to casinos, ski resorts, shopping centers and businesses. A point of interest can be searched by category, name or phone number. After selecting a destination, the NISSAN Navigation System will calculate a route to that destination.

The Places directory has many uses. For example, the directory can be sorted by the various types of restaurants near the current location. If an ATM or gas station is needed, the NISSAN Navigation System can navigate to the closest preferred location.

For more information on how to use the Places directory, refer to section 4.

ADDRESS BOOK

The Address Book can store up to 300 locations from map coverage areas into a personal directory. This is especially useful for frequently visited locations, such as clients, relatives and friends. The Address Book function allows easy access to frequently visited locations when setting them as your destination.

For more information on how to use the Address Book, refer to section 6.

AVOID AREA

The Avoid Area function sets areas or freeways that the NISSAN Navigation System does not include in the suggested route when calculating routes. For example, if a freeway or area that is always congested with traffic.

For more information on the Avoid Area function, refer to section 6.

XM NAVTRAFFIC® INFORMATION

When available, the XM NavTraffic® Information broadcast may help to avoid delays due to traffic incidents. Traffic jams, roadwork, closed roads around the current location, etc. are represented graphically on the map by icons depicting the nature of the event. Incidents on the route are automatically brought to the attention when they are approached.

The XM NavTraffic® Information feature, via the guidance mode, may help to detour around traffic problems. For more information on the XM NavTraffic® Information feature, refer to section 5.

AUTOMATIC REROUTE

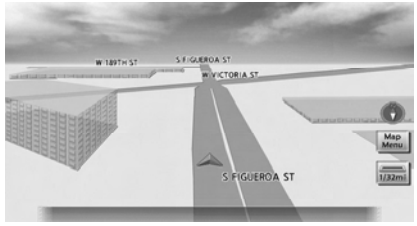
When detecting a deviation from the suggested route, the NISSAN Navigation System will automatically recalculate a new route to the destination.

For more information on the Automatic reroute function, refer to section 5.

DETOUR

To make a detour due to traffic conditions, the Detour function calculates an alternative route. The NISSAN Navigation System can calculate a route using secondary roads that will return to primary roads after a specified number of miles.

For more information on the Detour function, refer to section 5.

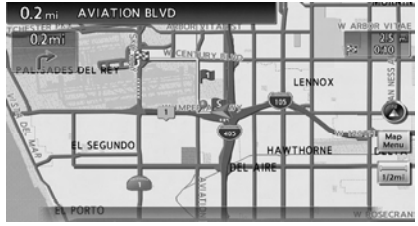


NGE0001

Birdview™

Birdview™ (3D) map, are available in the NISSAN Navigation System. Birdview™ map displays the map from an elevated perspective. In Birdview™ map, it is easy to recognize an image of the route because it provides a panoramic view over a long distance.

For more information on Birdview™ map, refer to section 3.



NGE0002

VOICE GUIDANCE

Route guidance is provided through voice and visual instructions. Voice guidance announces the appropriate directions when approaching an intersection to turn.

For more information on voice guidance, refer to section 5.

DISPLAY OF CURRENT VEHICLE LOCATION

This navigation system combines the data obtained from the vehicle (by gyro sensor) and from GPS (Global Positioning System) satellites to calculate the current location of the vehicle. This position is then displayed throughout route guidance to a destination.

WHAT IS GPS (Global Positioning System)?

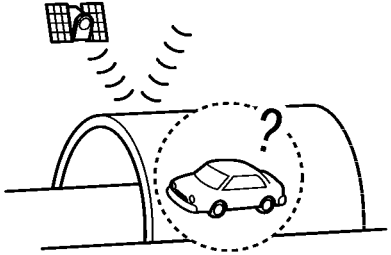
GPS is a position detecting system that uses satellites deployed by the U.S. government. This navigation system receives radio signals from three or more different satellites that orbit 13,049 miles (21,000 km) above the earth in space, and detects the position of the vehicle by utilizing the principle of triangulation.

Positioning adjustment

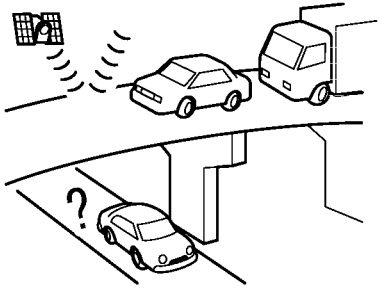
When the system judges that the vehicle position information is not accurate based on vehicle speed and gyro sensor data calculations, the system will automatically adjust the position of the vehicle icon using GPS signals.

Receiving signals from GPS satellites

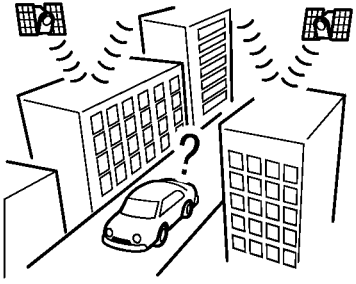
The reception of GPS signals can be weak, depending on the environment. Vehicles in the following areas/environments may not receive GPS signals.



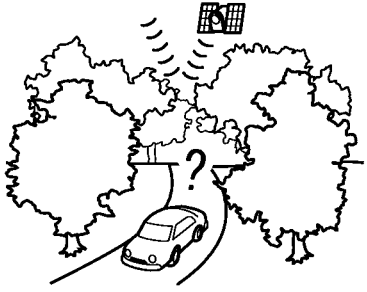
- Inside tunnels or parking garages.



- Under multi-layered highways.

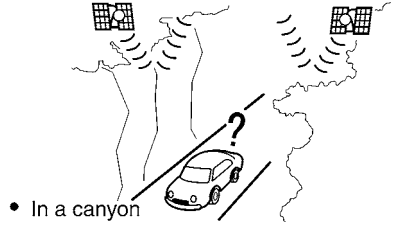


- Areas with numerous tall buildings.



- Under many large trees.

LNV0515



- In a canyon

LNV0528

INFO:

The GPS antenna is located on the instrument panel inside the vehicle. Do not place any objects, especially mobile phones or transceivers, on the instrument panel. Because the strength of the GPS signal is approximately one billionth of that of TV waves, phones and transceivers will affect or may totally disrupt the signal.

Display of GPS information

GPS information can be displayed.

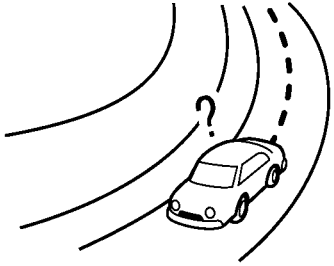
“VIEWING GPS CURRENT LOCATION INFORMATION” (page 7-26)

NOTE:

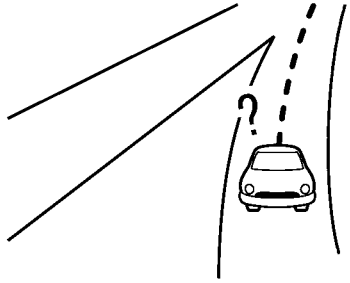
Route guidance provided by the navigation system does not take carpool lane driving into consideration, especially when carpool lanes are separated from other road lanes.

INCORRECT DISPLAY OF VEHICLE POSITION

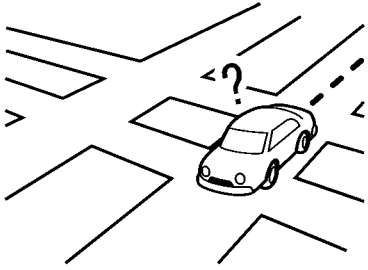
The following cases may affect the display accuracy of the vehicle's position or traveling direction. The accuracy will return to normal if the driving conditions return to normal.



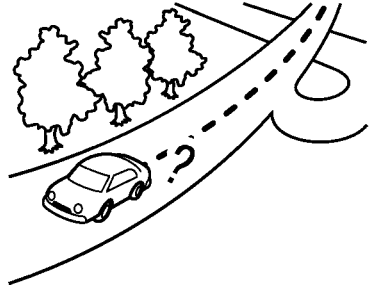
- When there is a similar road nearby.



- When the vehicle is passing through a large Y-shaped intersection/junction.

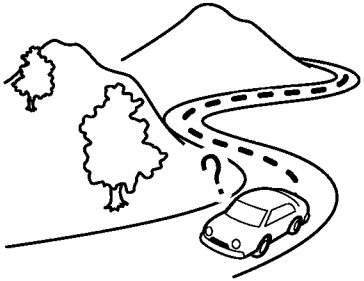


- When the vehicle is traveling in an area with a grid pattern road system.



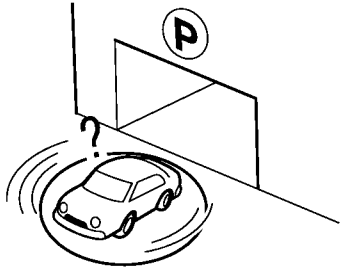
- When the vehicle is traveling on a continuous, slowly curving road.

LNV0516

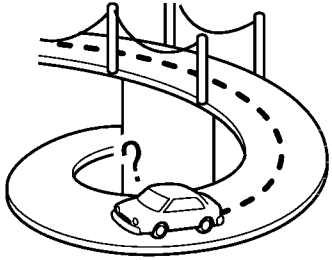


- When the vehicle is traveling on a road with repeating S-shaped curves.

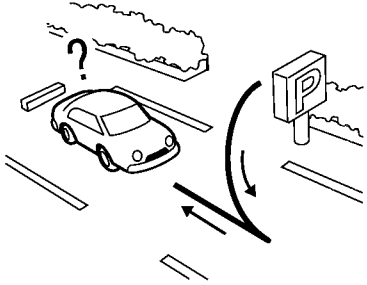
- When the vehicle is on snow-covered or unpaved road.



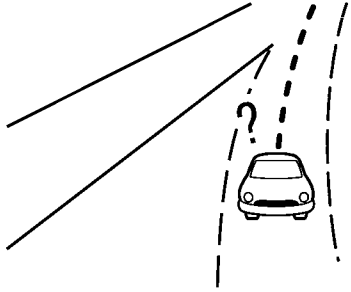
- When the vehicle is rotated on a parking lot turntable while the ignition is off.



- When the vehicle is on a loop bridge.

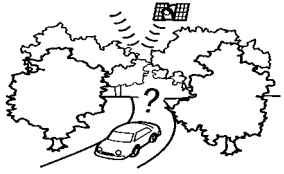


- When repeatedly turning left or right, or driving in zigzags.



- When driving on a road not displayed on the map screen or a road that has been changed due to additional construction or other reasons.

LNV0517



- When the GPS positioning accuracy is low.

LNV0518

INFO:

- The vehicle icon may be misaligned when starting the vehicle just after starting the engine.
- The vehicle icon may also be misaligned if different sized tires or tire chains are installed.
- The system has a function that automatically corrects the vehicle icon position when it is misaligned from the actual position.
- Vehicle position correction by GPS may not function when the vehicle is stopped.
- If the vehicle icon position does not return to normal even after driving for a while, correct the vehicle icon position manually.

"Adjusting the current vehicle location" (page 8-13)

DETAILED MAP COVERAGE AREAS (MCA) FOR THE NAVIGATION SYSTEM

This system is designed to help guiding to the destination, and it also performs other functions as outlined in this manual. However, the system must be used safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-todate. The system is not a substitute for safe, proper and legal driving. Map data covers select metropolitan areas in the United States and Canada.

Map data includes two types of areas: “Detailed coverage areas” providing all detailed road data and other areas showing “Main roads only”.

NOTE:

Detailed map data is not available in many areas and is generally limited to select major metropolitan areas.

WHEN A GRAY ROAD IS DISPLAYED ON THE MAP

- When you are driving on a road displayed in gray after the vehicle has deviated from the suggested route during route guidance, automatic rerouting may not start immediately.
- The navigation system does not provide route guidance for roads displayed in dark green. Therefore, if the destination is set on a road displayed in dark green, the enlarged map display will return to the ordinary map screen at some point on a suggested route that is near the destination. Also, voice guidance will stop at some point on a suggested route that is near the destination.
- Places information and street names near roads displayed in gray may not be contained in the map data.

- There may be cases that carpool lanes are included on a suggested route when the automatic rerouting function is activated, even if the “Use Time Restricted Roads” is turned off.

  “SETTING CONDITIONS FOR THE ROUTE CALCULATION” (page 5-33)

- The navigation system does not provide route guidance for roads displayed in dark green.
- If the destination is set on a dark green road, the enlarged map display will switch to the ordinary map screen at some point and suggest a route that is near the destination. The distance and direction to the endpoint of the suggested route will be displayed in the lower right corner of the screen. Also, at this time, voice guidance will announce, “The route to your destination includes roads through incomplete map areas. Voice guidance will not be provided in these areas”.

  When approaching the endpoint of the suggested route, voice guidance will announce, “Entering the road with incomplete map data. Please use the direction arrow and distance information to proceed to your destination.”

  To reach your destination, refer to the map screen. Always follow actual roads and regulations and drive safely.
- The suggested route may not be the shortest, nor are other circumstances, such as traffic jams, considered.
- Because of the inevitable difference in road conditions and circumstances between the time you use this system and the time the information was produced for the map data, there may be discrepancies in roads and regulations. In such cases, follow the actual information available.
- During route calculation, the map will not scroll, however the vehicle icon will move with the actual vehicle’s movement.
- During route calculation, buttons such as MAP, DEST, ZOOM OUT, and ZOOM IN will be disabled.
- In some cases, after the calculation is complete, the calculated route may not be immediately displayed.
- Waypoints that have been passed will be disregarded by rerouting calculation.
- If you scroll the map while the suggested route is being drawn, it may take more time to finish drawing.
- If waypoints are set, the system calculates multiple routes between waypoints simultaneously, and the following may result:
  - If one section between waypoints cannot be calculated, none of the route will be displayed.
  - The route may not connect completely at some waypoints.
  - The route may require a U-turn close to some waypoints.
- Route calculation may not be completed in the following cases:
  - If there is no main road within a range of 1.5 miles (2.5 km) from the vehicle, a message saying so will appear on the screen. Try recalculating when the vehicle is closer to a main road.
  - If there is no main road within a range of 1.5 miles (2.5 km) from the destination or waypoint, a message saying so will appear on the screen. Try setting the location closer to a main road.
  - If the vehicle is too close to the destination or if there are no roads to the destination, a message saying so will appear on the screen.

– If it is impossible to reach the destination or waypoints because of traffic regulations, etc.

– If the only route to reach the destination or waypoints is extremely complicated.

– If the destination, current vehicle position or waypoint is within the “Avoid Area”.

– If a part of the route is included in the “Avoid Area”.

- The following may occur when the route is displayed:

  – If you calculate a route on a main road, the starting point of the route may not exactly match the current vehicle location.

  – The endpoint of the route may not exactly match the destination.

  – If you calculate a route on a main road, the system may display a route from another main road. This may be because the position of the vehicle icon is not accurate. In this case, park the vehicle in a safe location and reset the vehicle icon, or continue driving to see if the position of the vehicle icon is automatically adjusted before recalculating the route.

  – There are cases in which the system shows an indirect route to reach the destination or waypoints, if you set them from stored or facility information. In order to correct this, you must be careful about the traffic direction, especially when lanes with different travel directions are shown separately, such as interchanges and service areas.

  – This system makes no distinction between limited traffic control and total control (blockage). It may show an indirect route even if the road is usable.

  – Even if the freeway preference is set to OFF, a route that uses the freeway may be suggested.

  – Even if the preference is set to OFF, a route that uses a ferry line may be suggested.

  – Ferry lines, excluding those that are only for pedestrians, bicycles and motorcycles, are stored in this system. Take into consideration the travel time required and operational condition before deciding whether to use them or not.

INFO:

The system will only announce street names when the system language is set to English. Street names are not announced when the system is set to Français (French) or Español (Spanish).

BASICS OF VOICE GUIDANCE

Voice guidance announces which direction to turn when approaching an intersection in which a turn is necessary.

NOTE:

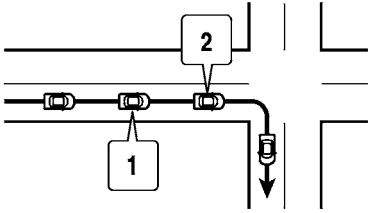
- **There may be some cases in which voice guidance and actual road conditions do not correspond. This may occur because of discrepancies between the actual road and the information on the map data, or it is due to the vehicle’s speed.**
- **In case voice guidance does not correspond to the actual road conditions, follow the information obtained from traffic signs or notices on the road.**
- **Route guidance provided by the navigation system does not take carpool lane driving into consideration, especially when carpool lanes are separated from other road lanes.**

DIRECTIONS PROVIDED AND THE DISTANCES TO GUIDE POINTS

Directions will differ, depending on the road type.

INFO:

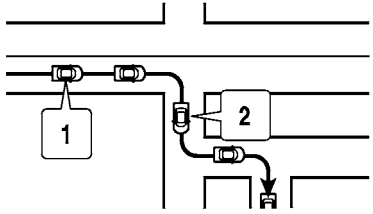
Distances may vary, depending on the vehicle speed.



LNV0519

Notification of an intersection on an ordinary road

1. “In about one quarter mile (400 meters), right (left) turn.”
2. “Right (left) turn ahead.”

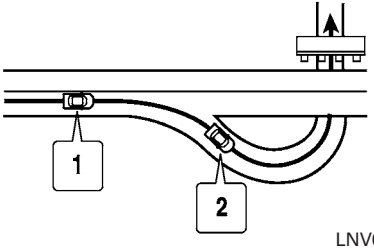


LNV0520

Notification of consecutive intersections on an ordinary road

When the road has three or more consecutive intersections ahead, voice guidance will announce the following.

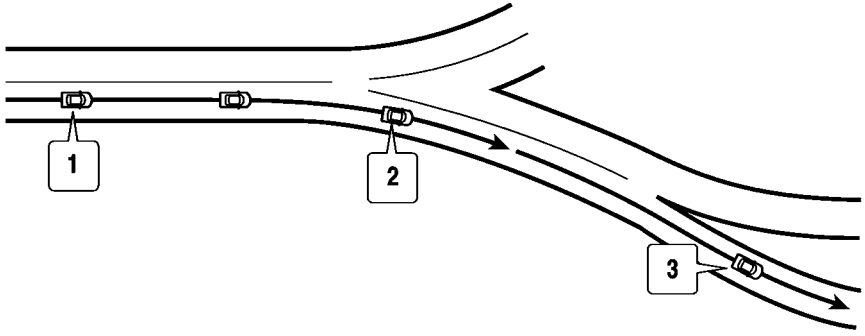
1. “In about one quarter mile (400 meters), right (left) turn, then in about one quarter mile (100 meters) left (right) turn.”
2. “Left (right) turn ahead, then in about one quarter mile (100 meters) right (left) turn.”



LNV0523

Notification of a freeway entrance

1. “In about one quarter mile (400 meters) freeway entrance on your right onto (road number and direction).”
2. “Freeway entrance on your right onto (road number and direction).”



LNV0522

Notification of a freeway junction

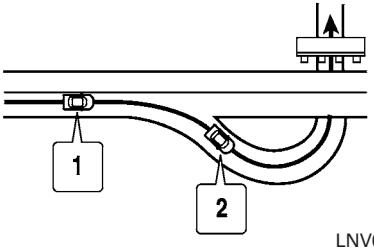
1. “In about one mile (1.6 kilometers), keep to the right (left) onto (road number and direction), then in about one quarter mile (400 meters) keep to the right (left).”
2. “Keep to the right (left) onto (road number and direction), then in about one quarter mile (400 meters) keep to the right (left) onto (road number and direction).”
3. “Keep to the right (left) onto (road number and direction).”

Notification of a freeway exit

1. “In about one mile (1.6 kilometers), exit on your right.”
2. “Take the second exit on your right.”

Notification when approaching the destination

Ordinary road:
When approaching the destination, voice guidance will announce, “You have arrived at your destination. Ending route guidance.” To finally reach your destination, refer to the map screen.



LNV0523

Dark green road:
After passing the last turning point on a suggested route, voice guidance will announce, “The route to your destination includes roads through incomplete map areas. Voice guidance will not be provided in these areas.” When approaching the endpoint of the suggested road, voice guidance will announce, “Entering the road with incomplete map data. Please use the direction arrow and distance information to proceed to your destination.”

REPEATING VOICE GUIDANCE

This function is available throughout route guidance, from the time after the route calculation is completed until the vehicle arrives at the destination.

Touch the “Voice” key.

Voice guidance will be repeated.

INFO:

- If you touch the “Voice” key when you have deviated from the suggested route and when the automatic reroute function is off, voice guidance will announce, “Proceed to the highlighted route.”
- If you touch the “Voice” key when you are going in the wrong direction, voice guidance will announce: “Please make a legal U-turn if possible.”

NOTES ON VOICE GUIDANCE

- Voice guidance in this system should be regarded as a supplementary function. When driving your vehicle, check the route on the map and follow the actual roads and traffic regulations.
- Voice guidance is activated only for intersections with certain conditions.
- There may be cases where the vehicle has to turn, but voice guidance is not provided.
- Voice guidance contents may vary, depending on the direction of the turn and the type of intersection.
- The voice guidance timing will vary depending on the situation.
- When the vehicle has deviated from the suggested route, voice guidance is not available. The system will not announce this to you. Refer to the map and recalculate the route.

  “RECALCULATE ROUTE” (page 5-29)
- Voice guidance may not accurately correspond with road numbers and directions at freeway junctions.
- Voice guidance may not accurately correspond to street names at freeway exits.
- The displayed street names may sometimes differ from the actual names, or “UNKNOWN STREET NAME” may be displayed.
- Voice guidance is not available when the Guidance Voice “ON” key indicator is not illuminated.
- Voice guidance will start when the vehicle enters the suggested route. Refer to the map for directions to the starting point of the route.
- When approaching a waypoint, voice guidance will announce, “You have arrived at waypoint 1 (2, 3, 4,...).” Voice guidance will switch to the next section of the route. When voice guidance is not available, refer to the map for directions.

NOTES ON XM NAVTRAFFIC® INFORMATION

- In some cases, voice guidance ends before arrival at the destination. Refer to the destination icon on the map to reach the destination.
- If the system recognizes on which side the destination (waypoint) is located, voice guidance will announce “on the right/left” after announcing the arrival at the destination.
- Voice guidance may be partially operational or inoperative due to the angle of roads at an intersection.
- Because freeway lane information is available only for approximately 7,000 major freeways in North America, it is not possible to display information for all junctions and exits.
- Freeway exit information may differ from the information on the actual exit signs.
- Because it is not possible to consider data concerning roads that are seasonally available or unavailable, a route may be displayed that does not match the actual traffic restrictions. Be sure to follow the actual traffic restrictions while driving.
- Canada and Alaska contain many roads with incomplete map data. As a result, when searching for a route, the route may include roads with incomplete data. In regions where road data is not complete, voice guidance may stop for long periods of time. Be sure to follow the actual traffic restrictions while driving.
- The XM NavTraffic® information service is not provided for some cities. In addition, the cities for which the traffic information service is provided may be changed.
- In some cases, infrastructure problems may prevent the complete display of the traffic information. This is not a malfunction.
- Due to infrastructure problems, or due to the time when the traffic information service broadcast is received, the displayed information may differ from the actual traffic conditions.
- Depending on the traffic information, a detour route may be slower than the original route.
- XM NavTraffic® is a service of XM® Satellite Radio. XM NavTraffic® is only available in select markets within the 48 contiguous United States and is subject to data availability. Reception of the XM® signal may vary depending on location. It requires a monthly premium subscription. The service provider is solely responsible for the quality and accuracy of the information provided. All fees and programming are subject to change. For more details on the XM NavTraffic® service, terms and conditions, please visit www.xmradio.com. You can also contact XM® Radio at 1-800-XM-RADIO (1-800-967-2346).

NOTES ON XM NAVWEATHER™ INFORMATION

- As of January 31, 2009, the XM NavTraffic® service covers 80 major metropolitan markets. For the most current list of markets covered, please refer to www.xmradio.com/navtraffic, or call XM® Radio customer support at 1-800-XMRADIO (1-800-967-2346).
- Due to road maintenance, infrastructure problems (e.g. malfunction of road sensors, outage of central computer of infrastructure) or natural disasters, there are times when some or all traffic information may not be available.
- Incident information is based on human collection. Not all incidents that have happened are collected and provided.
- Due to infrastructure problems, or transmission delay, there are times when the information may differ from the actual condition. Always observe safe driving practices and follow all traffic regulations.
- Due to the coverage and quality of traffic information and road conditions, it is not always possible for the system to provide the shortest time route even when traffic information is considered.
- Traffic information that is displayed may differ from information from other media (e.g., radio), as other media may use different information sources.
- The XM NavWeather™ information service is not provided for some cities. In addition, the cities for which the weather information service is provided may be changed.
- In some cases, infrastructure problems may prevent the complete display of the weather information. This is not a malfunction.
- Due to infrastructure problems, or due to the time when the weather information service broadcast is received, the displayed information may differ from the actual weather conditions.
- XM NavWeather™ is a service of XM® Satellite Radio. XM NavWeather™ is only available in select markets within the 48 contiguous United States and is subject to data availability. Reception of the XM® signal may vary depending on location. It requires a monthly premium subscription. The service provider is solely responsible for the quality and accuracy of the information provided. All fees and programming are subject to change. For more details on the XM NavWeather™ service, terms and conditions, please visit www.xmradio.com. You can also contact XM® Radio at 1-800-XMRADIO (1-800-967-2346).
- XM NavWeather™ is designed to provide real-time weather and forecasting information in your general vicinity. Discrepancies may be encountered between the system and your actual location. Road system and weather changes may affect the accuracy of the information provided. Rely on your common sense to decide whether to follow a specified route. Detailed coverage is not available in every city or roadway.

HOW TO ORDER MAP DATA UPDATES

To order updated map data, contact the NISSAN NAVIGATION SYSTEM HELPDESK. See the contact information on the inside front cover of this manual.

ABOUT THE MAP DATA

1. This map data has been prepared by HITACHI, LTD. under licence from ZENRIN CO., LTD. and NAVTEQ. ZENRIN CO., LTD. has added, processed and digitized data based on the digital road map data of Navigation Technologies Corporation. Due to the production timing of the map data, some new roads may not be included in this map data or some of the names or roads may be different from those at the time you use this map data.
2. Traffic control and regulation data used in this map data may be different from those at the time you use this map data due to the data production timing. When driving your vehicle, follow the actual traffic control signs and notices on the roads.
3. Reproducing or copying this map software is strictly prohibited by law.

Published by Nissan North America, Inc

© 2006 Navigation Technologies. All rights reserved.

© 1993-2008 NAVTEQ. All Rights Reserved.

Certain business data provided by infoUSA, Inc., Omaha, NE, Copyright

© 2008, All Rights Reserved.

© ZENRIN CO., LTD. 2009. All rights reserved.

© ZENRIN USA, INC. 2008. All rights reserved.

© 2008 Zagat® Survey, LLC.

⚠ WARNING

- **This navigation system should not be used to replace your own judgement. No itinerary suggested by this navigation system should ever override any highway regulations, your own judgement, or a knowledge of safe driving practices. Do not follow the navigation system's suggested itinerary if it would cause you to perform a dangerous or illegal act, place you in a dangerous situation, or take you into an area you consider unsafe.**
- **The advice provided by the navigation system is to be regarded as a suggestion only. There may be times when the navigation system displays the vehicle's location incorrectly, fails to suggest the shortest route, or fails to direct you to the your desired destination. In such instances, rely on your own driving judgement, taking into account the driving conditions at the time.**
- **Do not use the navigation system to locate emergency services. The database does not contain a complete listing of emergency services such as police stations, fire halls, hospitals and walk-in clinics. Please show discretion and ask for directions in such instances.**
- **As the driver, you alone are responsible for your driving safety.**
  - **In order to avoid a traffic accident, do not operate the system while driving.**

- **In order to avoid a traffic accident, operate the system only when the vehicle is stopped at a safe place and the parking brake is on.**
- **In order to avoid a traffic accident or traffic offence, remember that actual road conditions and traffic regulations take precedence over the information contained on the navigation system.**
- **The Software may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and the sources of information used. Please respect current traffic conditions and regulations at all times while driving.**
- **Where actual road conditions and highway regulations differ from the information contained on the navigation system, abide by the highway regulations.**
- **Keep the amount of time spent viewing the screen while driving to a strict minimum.**

The navigation system does not provide, nor represent in any way information on: traffic and highway regulations; technical aspects of the vehicle including weight, height, width, load and speed limits; road conditions including grade, percentage of incline and surface conditions; obstacles such as the height and width of bridges and tunnels; and other current driving or road conditions. Always rely on your own judgement when driving a car, taking into account current driving conditions.

The marks of companies displayed by this product to indicate business locations are the marks of their respective owners. The use of such marks in this product does not imply any sponsorship, approval, or endorsement by such companies of this product.

END-USER TERMS

The Map Data Disc (″Data″) is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms (this ″End- User License Agreement″) and conditions which are agreed to by you, on the one hand, and NAVTEQ North America, LLC (″NT″) and its licensors (including their licensors and suppliers) on the other hand.

The Data for areas of Canada includes information taken with permission from Canadian authorities, including: ©Her Majesty the Queen in Right of Canada, ©Queen's Printer for Ontario, ©Canada Post Corporation, GeoBase®

NT holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information.

©United States Postal Service® 2009. Prices are not established, controlled or approved by the United States Postal Service®. The following trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4.

The Data may include or reflect data of licensors, including Her Majesty the Queen in the Right of Canada ("Her Majesty"), Canada Post Corporation ("Canada Post") and the Department of Natural Resources Canada ("NRCan"). Such data is licensed on an "as is" basis. The licensors, including Her Majesty, Canada Post and NRCan, make no guarantees, representations or warranties respecting such data, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose.

The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or ac-

tion alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of the data or the Data. The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the data or the Data.

End User shall indemnify and save harmless the licensors, including Her Majesty, Canada Post and NRCan, and their officers, employees and agents from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use or possession of the data or the Data.

Terms and conditions

Personal Use Only You agree to use this Data for the solely personal, non-commercial purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs of this End-User License Agreement, you may copy this Data only as necessary for your personal use to (i) view it, and (ii) save it, provided that you do not remove any copyright notices that appear and do not modify the Data in any way. Except as otherwise set forth herein, you agree not to otherwise reproduce, copy, modify, decompile, disassemble or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws. You may transfer the Data and all accompanying materials on a permanent basis if you retain no copies and the recipient agrees to the terms of this End-User License Agreement. Multidisc sets may only be transferred or sold as a complete set as provided to you and not as a subset thereof.

Restrictions Except where you have been specifically licensed to do so by NT and without limiting the preceding paragraph, you may not (a) use this Data with any products, systems, or applications installed or otherwise connected to or in communication with vehicles capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with, or in communication with, including without limitation, cellular phones, palmtop and handheld computers, pagers, and personal digital-assistants or PDAs.

Warning This Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

No Warranty This Data is provided to you ″as is,″ and you agree to use it at your own risk. NT and its licensors (and their licensors and suppliers) make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

Disclaimer of Warranty: NT AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

Disclaimer of Liability: NT AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSES-

SION OF THIS DATA; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE THIS DATA, ANY DEFECT IN THIS DATA, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF NT OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

Export Control You agree not to export from anywhere any part of the Data provided to you or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations.

Entire Agreement These terms and conditions constitute the entire agreement between NT (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

Governing Law The above terms and conditions shall be governed by the laws of the State of Illinois, without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. You agree to submit to the jurisdiction of the State of Illinois for any and all disputes, claims and actions arising from or in connection with the Data provided to you hereunder.

Government End Users If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, this Data is a ″commercial item″ as that term is defined at 48 C.F.R. (″FAR″) 2.101, is licensed in accordance with this End-User License Agreement, and each copy of Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following ″Notice of Use,″ and be treated in accordance with such Notice:

NOTICE OF USE
CONTRACTOR(MANUFACTURER/ SUPPLIER) NAME: NAVTEQ
CONTRACTOR (MANUFACTURER/SUPPLIER) ADDRESS: 425 West Randolph Street, Chicago, IL 60606.
This Data is a commercial item as defined in FAR 2.101 and is subject to the End-User License Agreement under which this Data was provided.
© 2009 NAVTEQ. All rights reserved.

If the Contracting Officer, federal government agency, or any federal official refuses to use the legend provided herein, the Contracting Officer, federal government agency, or any federal official must notify NAVTEQ prior to seeking additional or alternative rights in the Data.

©2009 NAVTEQ. All Rights Reserved.

The display is a liquid crystal display and should be handled with care.

⚠ WARNING

Never disassemble the display. Some parts utilize extremely high voltage. Touching them may result in serious personal injury.

CHARACTERISTICS OF A LIQUID CRYSTAL DISPLAY

- If the temperature inside the vehicle is especially low, the display will stay relatively dim or the movement of the images may be slow. These conditions are normal. The display will function normally when the interior of the vehicle has warmed up.
- Some pixels in the display are darker or brighter than others. This condition is an inherent characteristic of liquid crystal displays, and it is not a malfunction.
- A remnant of the previous display image may remain on the screen. This screen burn is inherent in displays, and it is not a malfunction.

INFO:

The screen may become distorted by strong magnetic fields.

MAINTENANCE OF THE DISPLAY

⚠ CAUTION

- **To clean the display, never use a rough cloth, alcohol, benzine, thinner and any kind of solvent or paper towel with a chemical cleaning agent. They will scratch or deteriorate the panel.**
- **Do not splash any liquid such as water or car fragrance on the display. Contact with liquid will cause the system to malfunction.**

To clean the display screen, use a dry, soft cloth. If additional cleaning is necessary, use a small amount of neutral detergent with a soft cloth. Never spray the screen with water or detergent. Dampen the cloth first, then wipe the screen.

11 Troubleshooting guide

Customer assistance 11-2
Basic operations 11-3
Vehicle icon 11-4
Route calculation and visual guidance 11-6
Voice guidance 11-8
Voice recognition 11-9
Traffic information 11-10

CUSTOMER ASSISTANCE

For assistance or inquiries about the NISSAN Navigation System, please contact the NISSAN NAVIGATION HELPDESK. See the contact information on the inside front cover of this manual.

Symptom	Possible cause	Possible solution
No image is displayed.	The brightness is at the lowest setting.	Adjust the brightness of the display.
	The system in the video mode.	Press DISC-AUX to change the mode. Refer to the vehicle Owner's Manual.
	The display is turned off.	Press and hold the ☼/☽ button to turn on the display.
No voice guidance is available. or The volume is too high or too low.	The volume is not set correctly, or it is turned off.	Adjust the volume of voice guidance.
	Voice guidance is not provided for certain streets (roads displayed in gray).	This is not a malfunction.
No map is displayed on the screen.	A screen other than map screen is displayed.	Press the MAP button.
The screen is too dim. The movement is slow.	The temperature in the interior of the vehicle is low.	Wait until the interior of the vehicle has warmed up.
Some pixels in the display are darker or brighter than others.	This condition is an inherent characteristic of liquid crystal displays.	This is not a malfunction.
Some menu items cannot be selected.	Some menu items become unavailable while the vehicle is driven.	Park the vehicle in a safe location, and then operate the navigation system.

VEHICLE ICON

Symptom	Possible cause	Possible solution
Names of roads and locations differ between Plan view and Birdview™.	This is because the quantity of the displayed information is reduced so that the screen does not become too crowded. There is also a chance that names of the roads or locations may be displayed multiple times, and the names appearing on the screen may be different because of a processing procedure.	This is not a malfunction.
The vehicle icon is not displayed in the correct position.	The vehicle was transported after the ignition switch was pushed off, for example, by a ferry or car transporter.	Drive the vehicle for a while on a road where GPS signals can be received.
	The position and direction of the vehicle icon may be incorrect depending on the driving environments and the levels of positioning accuracy of the navigation system.	This is not a malfunction. Drive the vehicle for a while to automatically correct the position and direction of the vehicle icon. "CURRENT VEHICLE LOCATION" (page 10-4)
When the vehicle is traveling on a new road, the vehicle icon is located on another road nearby.	Because the new road is not stored in the map data, the system automatically places the vehicle icon on the nearest road available.	Updated road information will be included in the next version of the map data.
The screen does not switch to the night screen even after turning on the headlights.	The daytime screen was set the last time the headlights were turned on.	Set the screen to the night screen mode using the ☼/☽ button when turning on the headlights. "DISPLAY SETTINGS" (page 8-3)
The map does not scroll even when the vehicle is moving.	The current location map screen is not displayed.	Press the MAP button.
The vehicle icon is not displayed.	The current location map screen is not displayed.	Press the MAP button.

Symptom	Possible cause	Possible solution
The GPS indicator on the screen remains gray.	GPS signals cannot be received under certain conditions, such as in a parking garage, on a road with many tall buildings, etc.	Drive on an open, straight road for a while.
	GPS signals cannot be received because objects are placed on the instrument panel.	Remove the objects from the instrument panel.
	A sufficient number of GPS satellites is not available.	Wait for the satellites to move to locations available for the navigation system.
The location of the vehicle icon is misaligned from the actual position.	When using tire chains or replacing the tires, speed calculations based on the speed sensor may be incorrect.	Drive the vehicle for a while (at approximately 19 MPH [30 km/h] for about 30 minutes) to automatically correct the vehicle icon position. If this does not correct the vehicle icon position, contact a NISSAN dealer.
	The map data has a mistake or is incomplete (the vehicle icon position is always misaligned in the same area).	Updated road information will be included in the next version of the map data.

ROUTE CALCULATION AND VISUAL GUIDANCE

Symptom	Possible cause	Possible solution
Waypoints are not included in the auto reroute calculation.	Waypoints that have been already passed are not included in the auto reroute calculation.	To go to that waypoint again, edit the route.
Route information is not displayed.	Route calculation has not yet been performed.	Set the destination and perform route calculation.
	The vehicle is not on the suggested route.	Drive on the suggested route.
	Route guidance is set to off.	Turn on route guidance.
	Route information is not provided for certain types of roads (roads displayed in gray).	This is not a malfunction.
The auto reroute calculation (or detour calculation) suggests the same route as the one previously suggested.	Route calculations took priority conditions into consideration, but the same route was calculated.	This is not a malfunction.
A waypoint cannot be added.	Five waypoints are already set on the route, including ones that the vehicle has already passed.	A maximum of 5 waypoints can be set on the route. To go to 6 or more waypoints, perform route calculations multiple times as necessary.
The suggested route is not displayed.	Roads near the destination cannot be calculated.	Reset the destination to a main or ordinary road, and recalculate the route.
	The starting point and destination are too close.	Set a more distant destination.
	The starting point and destination are too far away.	Divide the trip by selecting one or two intermediate destinations, and perform route calculations multiple times.
	There are time restricted roads (by the day of the week, by time) near the current vehicle location or destination.	Set “Use Time Restricted Roads” to off. “SETTING CONDITIONS FOR THE ROUTE CALCULATION” (page 5-33)
A part of the route is not displayed.	The suggested route includes narrow streets (roads displayed in gray).	This is not a malfunction.

Symptom	Possible cause	Possible solution
The part of the route that the vehicle has already passed is deleted.	A route is managed by sections between waypoints. If the vehicle passed the first waypoint, the section between the starting point and the waypoint is deleted (it may not be deleted depending on the area).	This is not a malfunction.
An indirect route is suggested.	If there are restrictions (such as one-way streets) on roads close to the starting point or destination, the system may suggest an indirect route.	Adjust the location of the starting point or destination.
	The system may suggest an indirect route because route calculation does not take into consideration some areas such as narrow streets (gray roads).	Reset the destination to a main or ordinary road, and recalculate the route.
The landmark information does not correspond to the actual information.	This may be caused by insufficient or incorrect map data.	Updated information will be included in the next version of the map data.
The suggested route does not exactly connect to the starting point, waypoints, or destination.	There is no data for route calculation closer to these locations.	Set the starting point, waypoints and destination on a main road, and perform route calculation.

VOICE GUIDANCE

Symptom	Possible cause	Possible solution
Voice guidance is not available.	Voice guidance is only available at certain intersections marked with a . In some cases, voice guidance is not available even when the vehicle should make a turn.	This is not a malfunction.
	The vehicle has deviated from the suggested route.	Go back to the suggested route or request route calculation again.
	Voice guidance is set to off.	Turn on voice guidance.
	Route guidance is set to off.	Turn on route guidance.
The guidance content does not correspond to the actual condition.	The content of voice guidance may vary, depending on the types of intersections at which turns are made.	Follow all traffic rules and regulations.

Symptom	Possible cause	Possible solution
The system does not recognize the voice command. or The system accepts the voice command incorrectly.	The interior of the vehicle is too noisy.	Close the windows or have other occupants be quiet.
	The volume of the voice is too low.	Speak louder.
	The volume of the voice is too loud.	Speak softer.
	Pronunciation is unclear.	Speak clearly.
	The voice command is given before the voice recognition system is ready.	Press and release the button on the steering wheel switch, and speak a command after the tone sounds.
	8 seconds or more have passed after pressing and releasing the button on the steering wheel switch.	Make sure to speak a command within 8 seconds after the beep tone sounds.
	Only a limited range of voice commands is usable for each screen.	Use a correct voice command appropriate for the current screen.

INFO:

For the best recognition, speak appropriate commands. Command lists are available earlier in this manual.

Standard Mode:

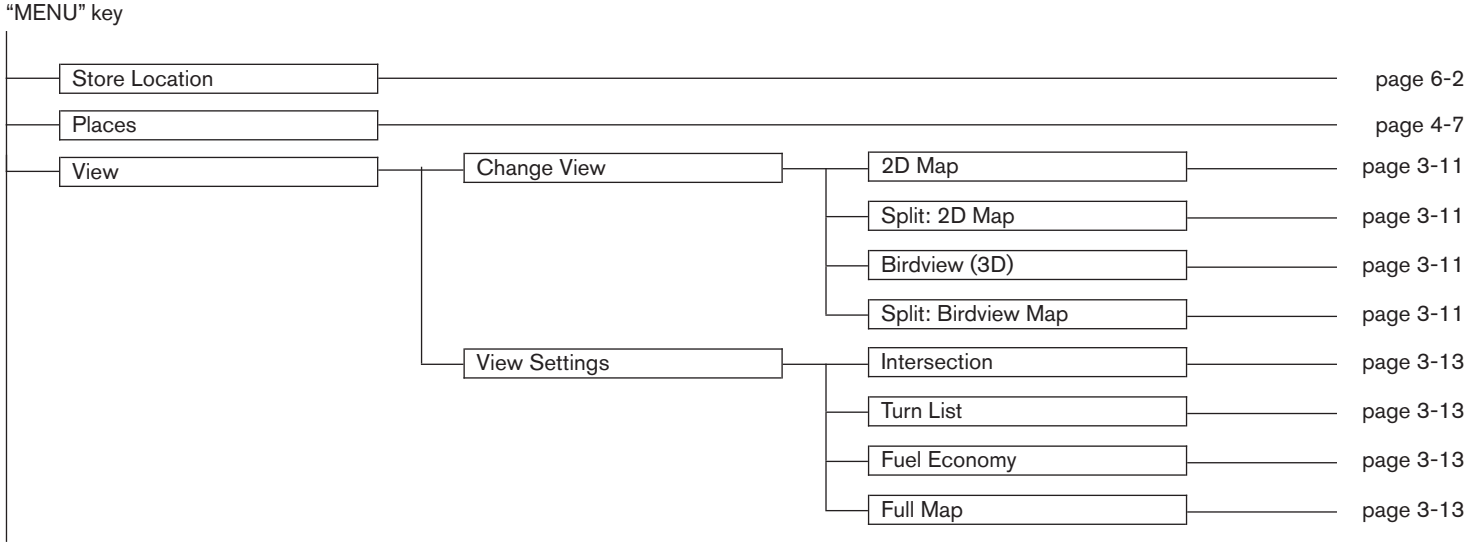
“Command List” (page 9-7)

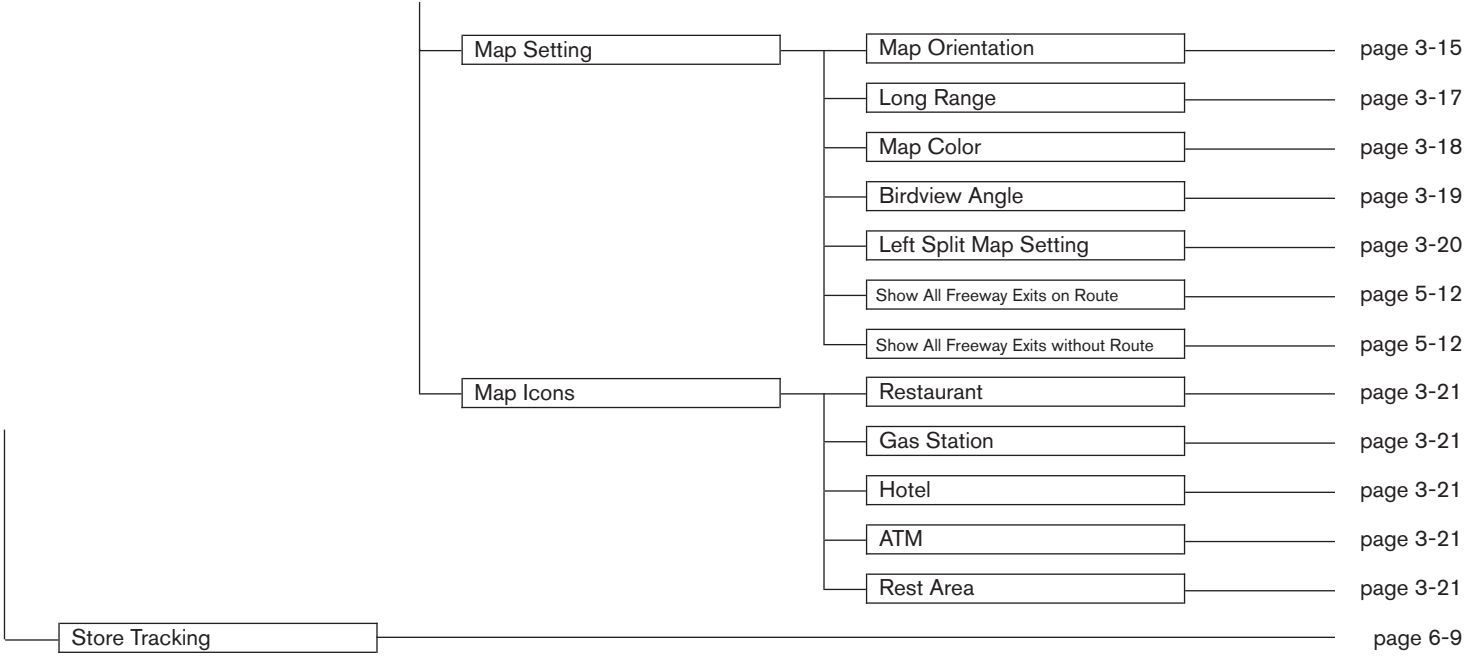
Alternate Mode:

“Command List” (page 9-19)

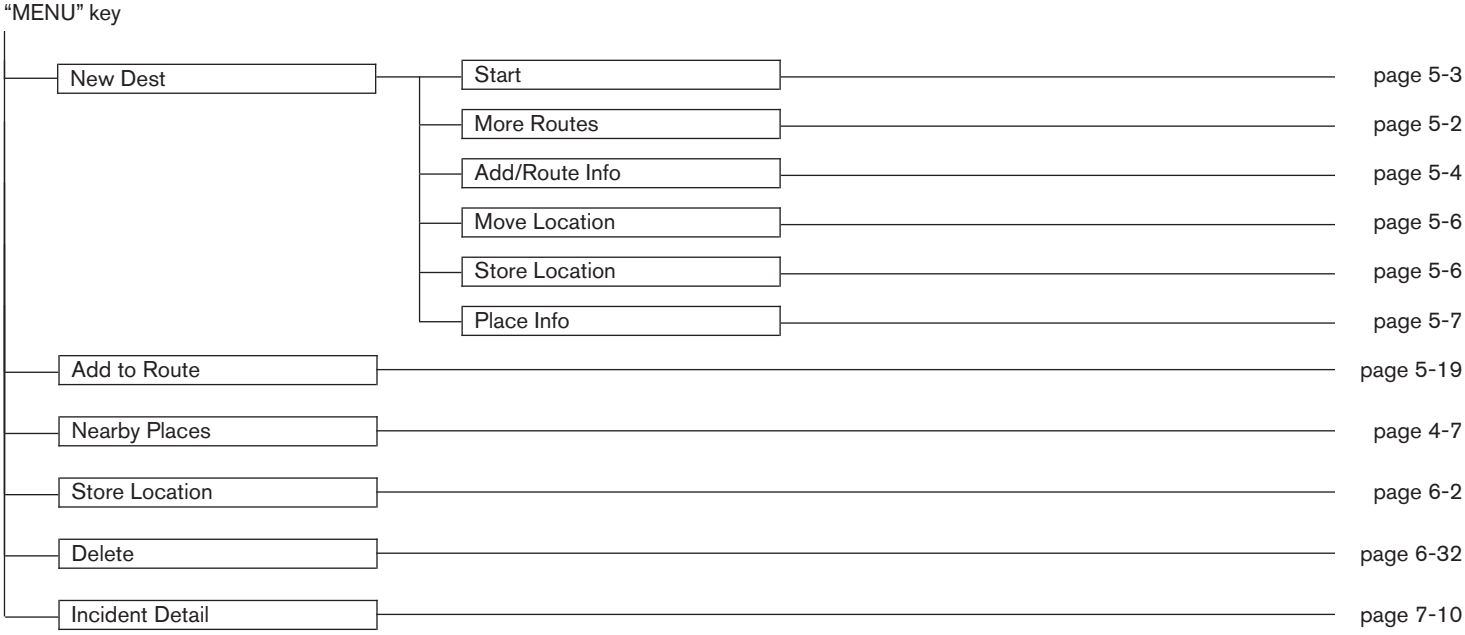
Symptom	Possible cause	Possible solution
The traffic information is not displayed	The traffic information is not set to on.	Set the traffic information to on.
	The vehicle is in an area where traffic information is not available.	Scroll to an area where traffic information is available.
	The subscription to XM NavTraffic® is incomplete, or the subscription to XM ® has expired.	Check the subscription status of XM NavTraffic®.
	The map scale is set at a level where the display of icons is impossible.	Check that the map scale is set at a level in which the display of icons is possible. "Traffic information display and scale levels" (page 7-9)
With the automatic detour route search ON, no detour route is set to avoid congested areas.	There is no faster route compared to the current route, based on the road network and traffic information.	The automatic detour search is not intended for avoiding traffic jams. It searches for the fastest route taking into consideration such things as traffic jams. Follow the current route. Also see "NOTES ON TRAFFIC INFORMATION" for further information.
The route does not avoid a road section with traffic information stating that it is closed due to road construction.	The navigation system is designed not to avoid this event because the actual period of closure may differ from the declared roadwork period.	Observe the actual road conditions and follow the instructions on the road for detour when necessary. If the road actually is closed, use the detour function and set the detour distance to avoid the road section that is closed.

CURRENT LOCATION MAP SCREEN

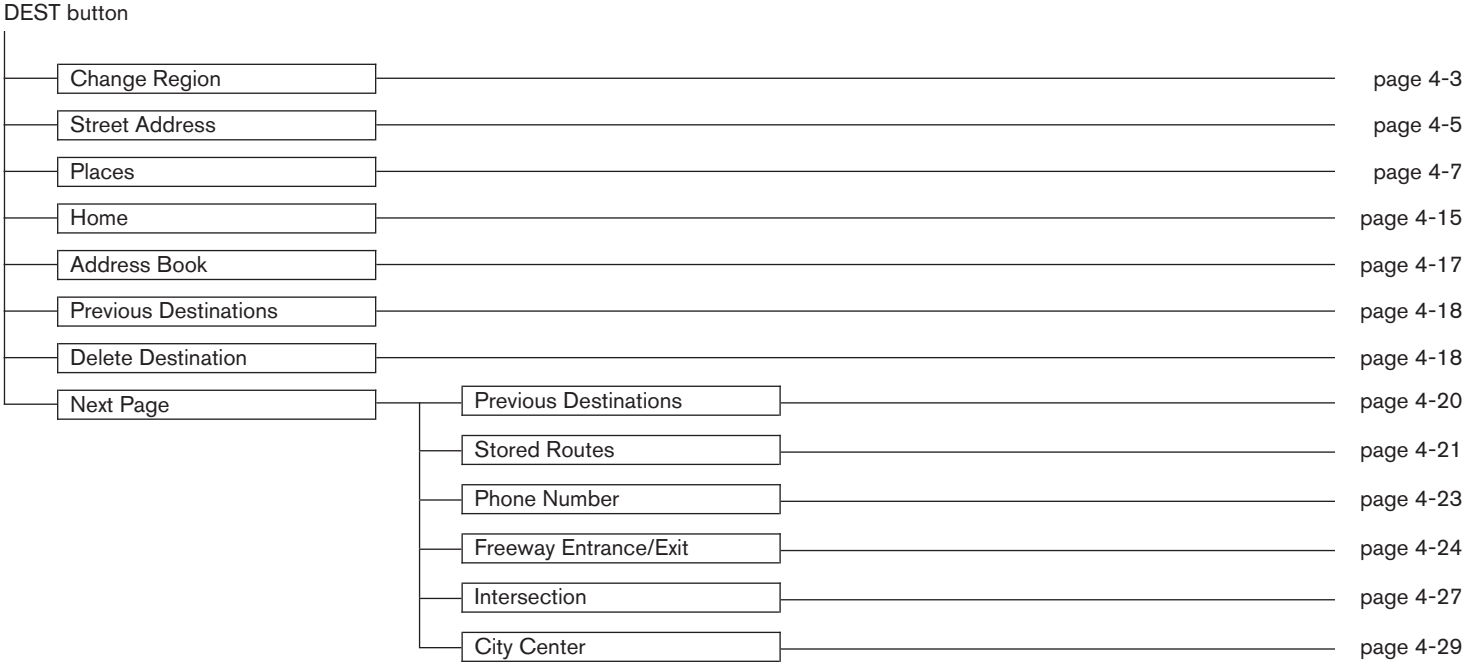



Map Setting
Map Orientation
page 3-15
Long Range
page 3-17
Map Color
page 3-18
Birdview Angle
page 3-19
Left Split Map Setting
page 3-20
Show All Freeway Exits on Route
page 5-12
Show All Freeway Exits without Route
page 5-12
Map Icons
Restaurant
page 3-21
Gas Station
page 3-21
Hotel
page 3-21
ATM
page 3-21
Rest Area
page 3-21
Store Tracking
page 6-9

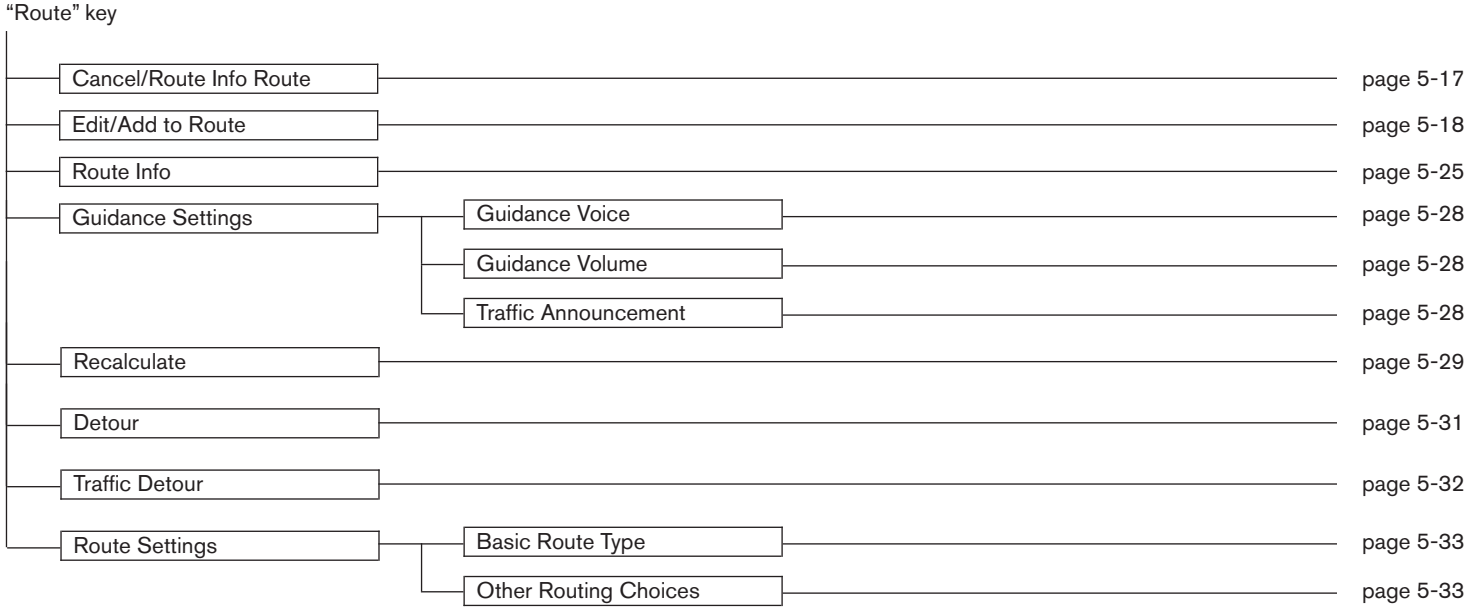
SCROLL LOCATION MAP SCREEN



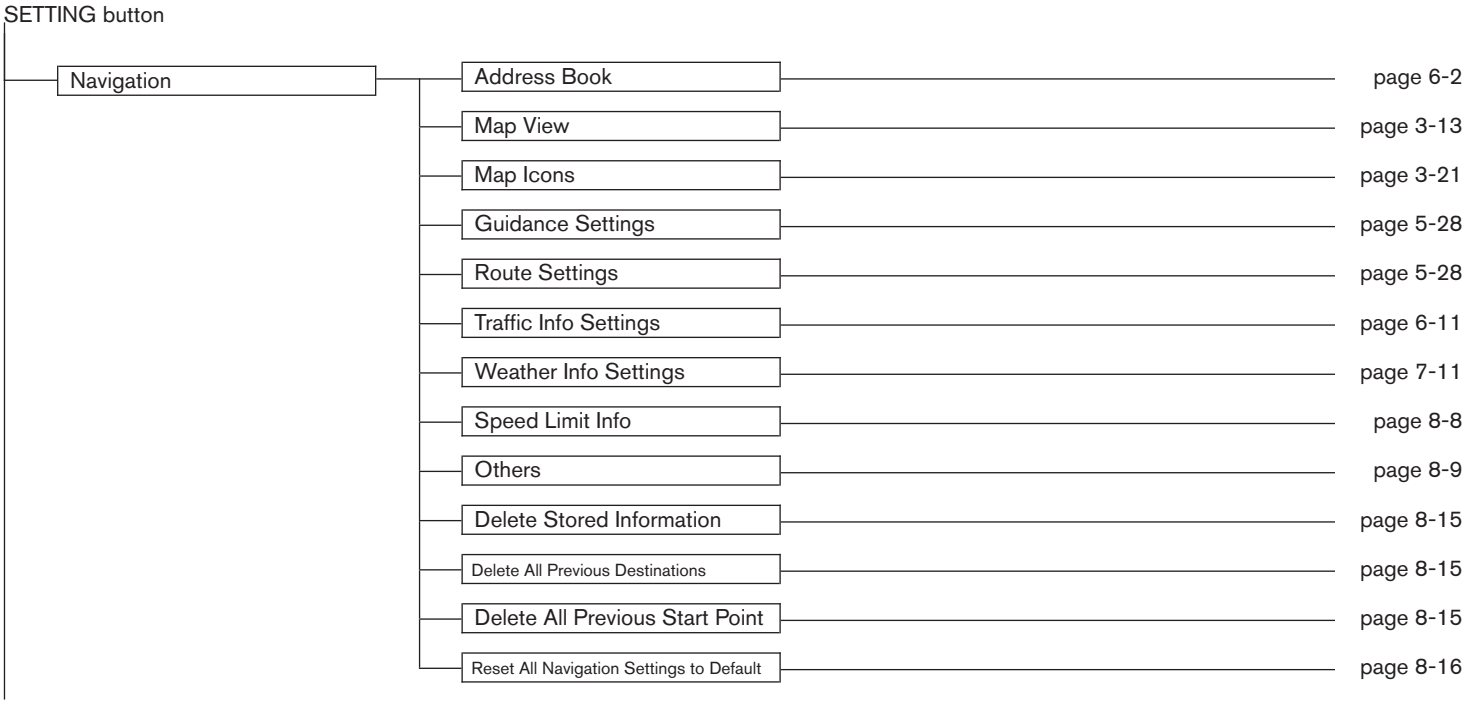
DESTINATION SCREEN

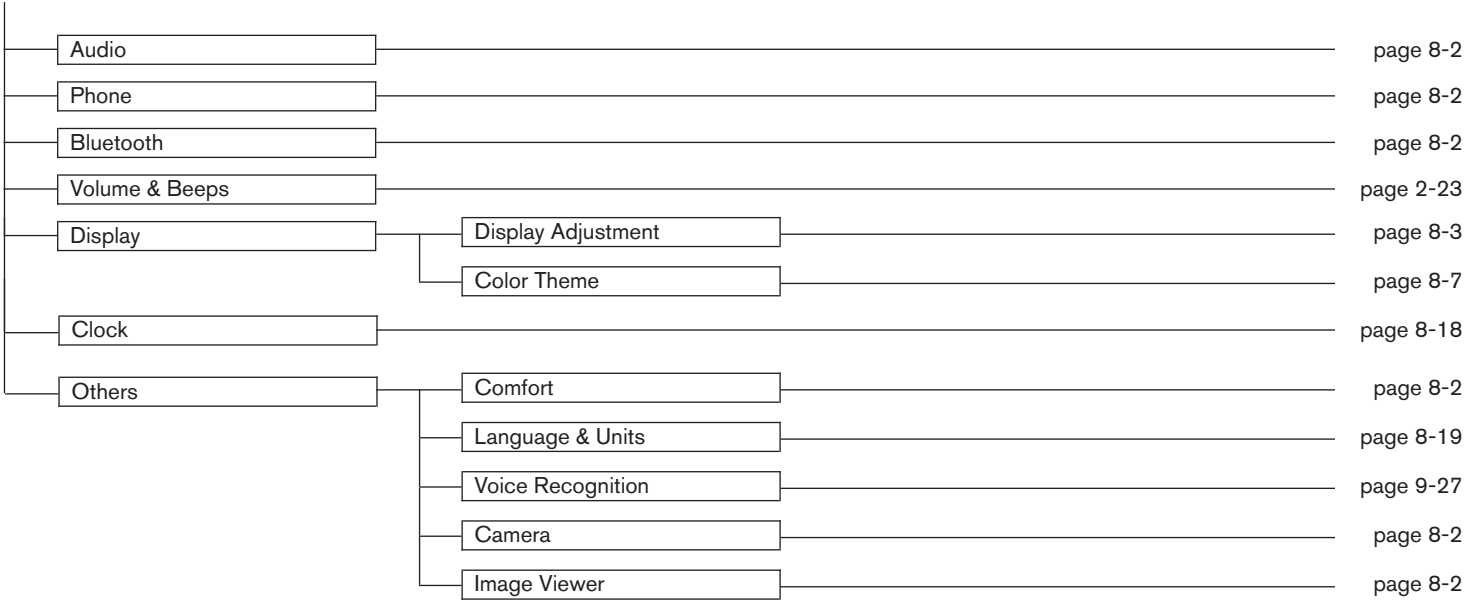


ROUTE SCREEN

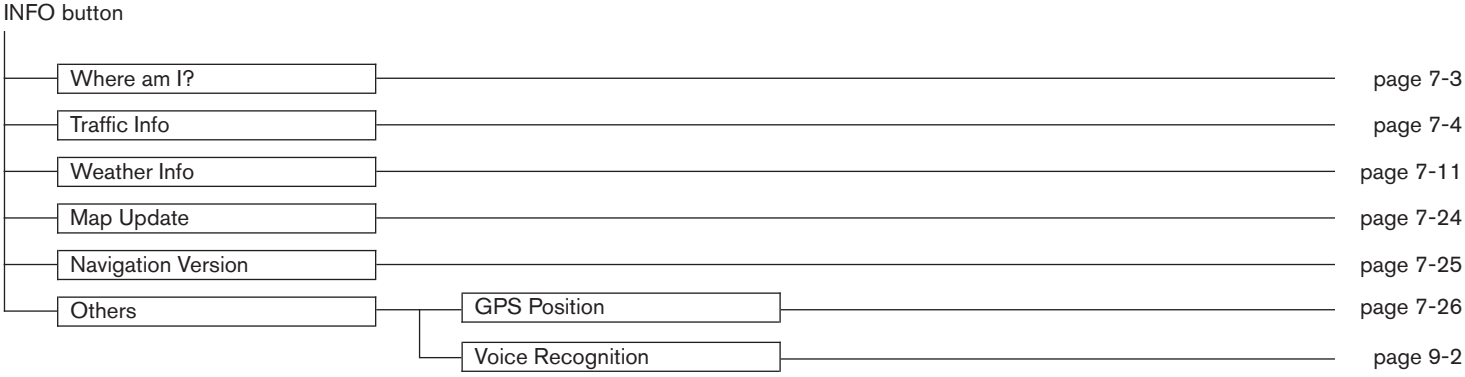


SETTING SCREEN




Audio
page 8-2
Phone
page 8-2
Bluetooth
page 8-2
Volume & Beeps
page 2-23
Display
Display Adjustment
page 8-3
Color Theme
page 8-7
Clock
page 8-18
Others
Comfort
page 8-2
Language & Units
page 8-19
Voice Recognition
page 9-27
Camera
page 8-2
Image Viewer
page 8-2

INFORMATION SCREEN



12 Index

2D map 3-2, 3-6
3D map 3-3, 3-7, 10-3

A

About route guidance 5-8
Address book 10-2
Adjusting voice guidance volume 2-24
Automatic reroute 10-3
Available items after setting a destination . . .5-2
Available views 3-11
Avoid area 10-2

B

Basic operations 11-3
Basics of voice guidance 10-10
Birdview™ 3-3, 3-7, 10-3

C

Character (letter and number) input screen. .2-10
Clock settings 8-18
Control buttons and functions 2-2
Current vehicle location 10-4
Customer assistance 11-2

D

Deleting all stored items 6-33
Deleting an individual item on the map 6-32
Deleting a route 2-21
Deleting a stored item 6-29
Deleting a stored item individually . . .6-29, 6-31
Destination screen 4-2
Detailed Map Coverage Areas (MCA) for the navigation system 10-8
Detour 10-3
Directions provided and the distances to guide points. 10-11
Display of current vehicle location 10-4
Display settings 8-3

E

Editing the address book 6-13
Editing the avoid area 6-26
Editing the stored home and location 6-14

F

Features of this navigation system 10-2
For safe operation 1-2
Functions disabled while driving 2-4

H

How to store your home 2-15
How to use this manual 1-2
How to view map screen 2-22

I

Incorrect display of vehicle position 10-6
Information screen 7-2

L

Language and unit settings 8-19
Laser product 1-3
List screen 2-8

M

Map scale 3-9
Map types 3-2
Menu screens and their purposes 2-6
Minor adjustment of the stored home and locations 6-15
Moving a map 3-6

N

NISSAN Voice Recognition 9-2
Notes on voice guidance 10-13

P

Plan view 3-2, 3-6
Points Of Interest (POI) directory 10-2
Procedures after setting a destination 5-2

R

Reference symbols 1-2
Repeating voice guidance 10-13
Route calculation 10-9
Route calculation and visual guidance 11-6
Route guidance 10-2
Route guidance settings 5-36

S

Safety information 1-2
Searching for a destination. 2-18
Set average speeds 5-40
Starting route guidance 2-19, 5-3
Start menu 2-6
Start-up screen 2-4
Steering wheel switch 2-3
Storing a location 6-2, 6-7
Storing a location by moving the map. 6-6
Storing a location by searching 6-2, 6-5
Switching the map view 3-11

T

Traffic 3-27
Turning voice guidance on/off 2-23
Turn list 5-10

U

Unit setting 8-19, 8-20
Using controls to adjust values, levels, etc.. . . .2-6

V

Vehicle icon 11-4
Viewing information about current vehicle location 7-3
Viewing traffic information 11-10
Voice guidance. 10-3, 11-8
Voice guidance during route guidance 5-8
Voice recognition 11-9
Volume adjustment 8-17

W

What is GPS (Global Positioning System)? 10-4
When a gray road is displayed on the map . .10-8

X

XM NavWeather™ 7-2, 7-11, 8-7, 10-15
XM® NavTraffic™ 3-27

Z

Zagat®. 2-18, 4-7, 4-12

Printing: August 2010 (07)
Publication No.: NA1E 0L32U0
Printed in U.S.A.

L32-N